# LIZERIOTAL ZARTHER The Mining Journal MMERCIAL GAZETTE.

forming a complete record of the proceedings of all public companies.

No. 709.---Vol. XIX.]

LONDON, SATURDAY, MARCH 24, 1849.

PRICE 6D.

umaries of Cornwall—In the Vice-Barden's Court. TIPPET e. MANLEY.

IN RE WHEAL HENRY MINI 

olleitor, Truro. strar's Office, Truro, March 14, 1849.

Stunnaries of Cornwall-In the Bice-Warben's Court.

THE THE COMMONIMATED CAUSE OF CRAEZ AND OTHERS V. FEGAN.

THEREAS the VICE-WARDEN did, by an ORDER, of DECREE, made in the above-mentioned consolidated causes, and bearing date its day of February last, order sand becree that a SALE be under of the ORES and VARS, and (if necessary) the ENGINE, MACHINERY, and MATERIALS upon selonging to WEEAL CURTIS MINE, in the parish of CROWAN, within the sail naries, under the direction of the Registrar of the Court, and that the proceeds or saile should be applied by the said Registrar in the manner directed by the same to be considered.

ral of White Curtis Copper at the Wheat Curtis MINE aforem AL CURTIS MINE aforem Prioren o'clock in the foreman and the curtis of the curtis o

MINING MACHINERY AND MATERIALS—viz.:
sh oyinder STEAM ENGINE, complete, 10-fact stroke in cylinder
fit, with two bollers, about 32 tons.

110 Fatherm of ladders
ch pumps

120 Rainner-boll

thims & shaft tackie, com

GLAMORGANSHIRE.—FREEHOLD FARMS AND MINERALS.
ESSRS. MORRIS & SON WILL SELE, BY AUCTION
or the CARDIFF ARMS INN, CARDIFF, on Saturday, the 7th of April, 1449, a
clock afternoon (unless diaposed of by private contract in the mean time, of which
these will be given), subject to suph conditions as will be then and there produced,

All that valuable FREEHOLD FARM and LAMDS, called GWAIN GLEDAR ISSA nate in the parint of SOLWYSILAN, in the country of GLAMORGAN, and containing manuscriptures, 871. 98. 36c. or thereadous; together with all the MNES and NELLALS thereunder. The farm is now in the occupation of Mr. John Edmunds, under contraining and solve of the solve of th

THEORYANT AND EXTENSIVE SALE OF FIR WOOD.

HERE WILL BE EXPOSED TO SALE, BY PUBLIC ROUP, within the Hotel at Fochabers, on Friday, the 13th day of April next, at o calcock P.M., the extensive and valuable

plock r.s., the extensive and valuable

FIR WOODS OF THREIPLAND AND SLEEPERSHILL,

for to the trustees of the late Earl of Fife. These woods are situated between

ABERS and RIGHN, adjoining the turnspike-read, and about \$\frac{1}{2}\$ inlies from the ship

or of Garmouth, on the Moray Frish. Threipland contains upwards of 140,000

espershill upwards of 430,000, cubic feet. The Woods will, in the first place, be

in two portions, as above and if not said, will be thereafter adjudyied into in

the said of th

Intending purchasers. The Woods may use, it would be in pariod on the ground.

articles and conditions of sale may be seen, and all particulars ascertained, on aport to lights and Burna, W.S., Edinburgh; James Young, land surveyor, Porth. sx. Fortesth, Esq., of Newton, Eggin; and Mr. Pennycook, forester at Coston gyd, by Elgin, will point out the boundaries.

CORNWALL—TYWARNHAILE MINES.

[MPORTANT AND VALUABLE COPPER MINES TO BE LET, BY PRIVATE CONTRACT, comprising the extensive SETTS formerly ENGUR AS

UNITED HILLS, WHEAL CHARLES, and SOUTH TOWAN, WHEAL FANCY, its Ducky of Cornwall, in the parisit of SAINT AGNES.—Turendered to the Ducky by the late leases, during the extrement of the year 1847, here since been placed in good working at of the year 1847, here since been placed in good working

see yielding large and increasing returns. They are now to be leased, at a moderate rate of dues, for a term of 21 years.

An arrangement can be made for posting the lessees of the Tywarnhalle Mines in posting to of the adjoining sets of Wheal Sparrow, West Wheal Sparrow, Easest's United Hills, Wheal Clarence, and Wheal Lydfo, the property of the representatives of the late John Basest, Esq.

Proposals will be received at the Duchy of Cornwall Office, Somerset House; and any further information may be obtained by application there, or to R. Taylor, Esq., Falmouth.

Duchy of Cornwall, Somerset House, Feb. 30, 1849.

TO BE SOLD, a valuable FREEHOLD ESTATE, of about \$100 perces, containing rich VEINS of ANTHRACITE COAL and IRONSTONE, suggests within half a raile of a harbour and railway.—Also, TO BE LET, on very advantageous terms, SEVERAL HUNDRED ACRES OF COAL and IRONSTONE, adjoining the above, and with Shafts and Levels already open. The property is well worth attaction, as such advantages are selded ordered to the public as the present.

Apply 50 Thomas Stokes, Tunby, Fembrokeshire.

VALUABLE SLATE QUARRY, in CARNARVONSHIRE ALUABLE SLATE QUARTET, and on safe insections, as may be agreed upon, the RIGHT of WORKING a valuable ROCK of SLATE; on the BLAERY-OWAF-FRIDD, in the parsist of FENNACHNE, upon which a large sum of money has been expended in driving a lavel, and in other works. The metal of this rock has been proved to be cleast to that of the finest Festining Quarries, which lie in the vicinity. The undertaking would suit a joint-stock company or a private speculator, as it can now be brought into early and extensive work, at a comparatively small outlay.

For particulars apply to Francis Hallower, Eq., National Provincial Bank, Dolgow:

CHESTERFIELD, DERBTSHIRE.—TO ENGINEERS.

TO BE DISPOSED OF, BY PRIVATE CONTRACT, the FORGE IRON-WORKS and PREMISES, at CHESTERFIELD, where the late Mr. Joseph Thompson for many years carried on an extensive engineering business chiefly in the construction of steam-engines; and also the WATER-POWER, the STEAM ENGINEER And valuable ENGINEERING MACHINERY connected with the works. The works are situate in the midst of a smining and measurfacturing district; the dishess connection attached to them is large and highly respectable, and they are capable or proving a mest eligible investment of capital to any parchaser who is a practical engineer For particulars apply to Mr. Bushy, solicitor, Chesterfield.

TO BE SOLD, BY PRIVATE TREATY, the following VALUABLE PROPERTI — by order of trustees:—

LOT 1.—ONE UNDIVIDED MOIETY, # HALF PABT, or SHARE, of and in all that FREEHOLD FARM and LANDS, with a good HOUSE and suitable OUTBUILDINGS thereon, called NORTHOP, HALL, in the parish of NORTHOP, in the county of FLINT, containing, by estimation, 180 acres, or thereabout, now in the occupation of Thomas Whilter, as tenant thereof. This Lot lies contiguous to the old turnpike-road, leading from Northop to Hawarden, and is in all respects very eligibly situate.—The owner of the other moiety of the above property is prepared to dispose of the same, and would join his co-preprietors in a sale of the entire estate.

Lor 2.—ONE UNDIVIDED THIRD PART, or SHARE, of and in all the COAL MINERALS under Lot 1.

Lot 3.—ONE UNDIVIDED THIRD PART, or SHARE, of and in all the COAL and MINERALS under all those LANDS, competing an extent of 100 acres, or thereabout commonly called, or Excord as, the DUBLIE ESTATE, in the partie of Northop aforeasis.

commonly called, or known as, the DUBLIE ESTATE, in the parish of Northop aforeaudd.

Lot 4.—ONE UNDIVIDED THIRD PART, or SHARE, of, and in all the COAL and MINERALS, under all that ESTATE, commonly called the CHESHIRE FARM, in the parish of Northop, abressid, and containing by estimation 113 acres or thereabout. The main and other beds of coal have been proved to extend under a great part of the foregoing lands, and are now in the course of successful working by Messra. Rigbys and Hancock. The Chester and Holybead Rallway rous through the Chesthre Farm Estate, which abuts on the River Des, and afforce convenient situations for the erection of good shipping places; and to the use and enjoyment of which the proprietors of Lot 2 and 3 would have equal right with the proprietor of Lot 4.

Lot 5.—ONE UNDIVIDED THIRD PART, or SHARE, of and in all these several and well-known COLLERIES in the parishes of NORTHOP and HAWARDEN, now worked and carried on by Messra. Rigbys and Hancock; and of and is all the leases under which the gene are held; and of and in all the powerful engines and machinery, railways, vessels, book debts, and other stock and materials appartising thereto. The situation of the collicites is excellent, having good tumples roads connecting them with all the surrounding country. They also lie within an easy distance of the River Dee, and the Chester and Holybead Rallway, and by well-appointed, private railways running through the lands of the lessees are thoroughly connected therewith; "sidings," to lead from the former railway to the yards or depoits of the lessees for the transmission of coal to all parts of the kingdom, either by water or by railway, are most effectual and complete.

The randors, if required, would treat for the disposes of all the property in one entire.

PO BE SOLD, BY PUBLIC ROUP, within the Royal En-change Sale Rooms, GLASGOW, upon Wednesday, the 4th day of April sear, the o'clock in the afternoon (if not previously disposed of by private harman), the

change Sale Rooms, GLABGOW, upon Wednesday, the 41th day of April near, One o'clock in the afternoon (if not previously disposed of by private barnam), the BLAIR IRON-WORKS, belonging to the Ayrentire from Company, altrated in the parish of Dairy and county Age. These works, which have been recently erected at an immense cost, consist of TWO BLOWING ENGINES, FIVE BLAST-FURNACES, WORKMEN'S HOUSE STEAM-ENGINES for working the minerals, together with UTENSILS at the pitz, in maces, &c., all in working order, and capable of producing upwards of 33,000 tons of piron per annum.

STEAM ENGINES for working the minerals, together with University at the process and in working order, and capable of producing upwards of 35,000 tons of pignion ner annum.

One of the blowing engines, high-pressure, estimated at 30-horte power, was exceed in 1847, and is estimated at 200-horse power, the latter being capable of blowing five furnaces, and both fitted up in the most substantial manner, and at present in good working condition.

The furnaces have been arceled with the greatest care, and are fitted with air-heating apparatus of the most approved construction. The make of each furnace has generally averaged upwards of 90 tens of rore pig week, and some of them have produced 180.—There are, lessifies the manager's house such store buildings, 187 workmen's houses, in a habitable scale, stached to the furnaces and pig, and there are 30 partly built, which could be finished at a small additions outly. There are also a new foundry wright's shop, fire-brick work, smithy, &c.

The MIRSHAL FIELDS consist of COAL, IRONSTONE, LIMESTONE, and FIRE-CLAA, held in lesse by the company at moderate fixed rents and royalties, all situated within easy discusses of the furnaces, and for the most part have the advantage of rail-way communication.

ray communication.
The COAL TIELDS consist of several hundred acres, of which only a sa been wrought; several pits, fitted with good engines and machinery, are soal, and partly in operation.
The IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the well-known BLACK-RAND, yielding about the IRONSTONE consists of the Well-known BLACK-RAND, yielding about the IRONSTONE consists of the Well-known BLACK-RAND, yielding about the IRONSTONE consists of the IRO

on.

ats of the well-knows BLACK-RAND, yielding about 3000
and it has been estimated that there are 200 acres, or there
200 acres, which, from horings just completed, it is secret
adjoining lands, the minerals in which are still undispose
int of CLAY-BAND IRONSTONE, hitherto little wrought,
output. There are 15 pits, with excellent steam-engines, a f calcined stone per acre, and it has been estimated till to work, besides about 200 scress which, from he less exists, as well its in adjoining lands, the stiner. There is sine a large extent of CLAY-RAND JROS spable of yielding a large output. There are its pits of stone in present operation, and others ready to re The LIMESTONE QUARRY is worked by open or variless.

allway.

FIRE-CLAY is abundant, of excellent quality, and cheaply produced, sere is a large stock of fronstone on the ground, which can be got at a value when works can be put into immediate operation; and having a connection toward Ayr and Ardroman Railways, along which the produce has the privages the present adverte an excellent opportunity for partice the iron trade.

MALLEABLE IRON-WORKS.

ndum of leases, plans of the property and mineral workings, may be seen, ssary information afforded, on application to Mr. Biggart, Dairy; Mr. Wat. Brown, 35, St. Vincent-place, Glasgow; Messrs. M'Cleitand and Mackes. Glasgow; Messrs. Glibson. Craics. Dairiel, and Brodle, W.S., Edinbu

VALUABLE ESTATE AND MINERAL PIELD IN AYRSHIRE FOR SALE O BE SOLD, BY PUBLIC ROUP, within the Royal Ex change Sale Rooms, Queen-street, Glasgow, upon Wednesday, the 11th day of the large of the control of the con Rooms, Queen-street, Glasgow, upon Wednescieck afternoon, unless previously disposed of by LANDS AND ESTATE OF PITCON,

ing to about 216 acres, imperial measure, as more particularly descriped to about 216 acres, imperial measure, as more particularly descriped to a superial measure, as more particularly descriped belonging; and the whole MINERALS and METALS in the said as a scree, or thereby, Scotch measure, now belonging to the Gleng of the superial works and descriped to the superial works and the superial works are superially works as more different to the superial works are superially works as more different to the superial works are superially works as the superial works and the superial works are superial works as the superial works are superially superial works and the superial works are superially superial works and the superial works are superial works.

ing the Pitcon Railway and Branches, in so far as the same are when the said lands.

The MASSION-HOUSE is in good order and repair, and has attached to it a set of suitable and commodions offices, with walled garden, shubbery, and pleasure ground; and this whole are well-enclosed.

The LANDS, let, under Jease, extend to about 140 acres Scotch or thereby, and are all the a respectable tenant, at a surface rent of 4902, sterling per annum. The

present held by a respectable feasas, extend to about 140 acres Scotch or thereby, and present held by a respectable feasant, at a sarfnee rent of 490, sterling per annum. farm standing is in good order and repute:

The MINERALS, comprising the most valuable description of ironstone, extendual table acres still unwrought, and are held upon lease by the Ayrabire Iron Com Upon a moderate calculation, the black-band rields about 3000 tons calcined iron to the impersial acres. There are, besides, savaral seams of Coal and other Miner the Lands.

This estate is always a long to the lands.

The least to situated near to the village of DALRY, at which there is a station up the lines of the Changow. Painley, and Ayr Railway, and in the manested neighbour hood of the Ayrahire Iron Company's Works, with which it is connected by railway communication, and will in consequence, forms note desirable and profitable investment to the purchaser of the Ayrahire Fron Company's works (the Blair Iron Works), while doing with the benefit of the smearly lines of Prices, are advertised to be sold, by publicancy, at the same time and piece with this cetate.

The public and parish burdens payable from the edsic are small.

For further particulars, application may be made to McGelfand and McEnzle, account and, 198 ingrem-streets, Changow; Robert McGowan, accountsaft, 10 Gordon-street, then Knozs and Findlay, writers, 35, 5, Vincent-piace, there; Janes McGosh, writer, in Dairy or to Dougless and Rankets, writers, 35, 8, Vincent-piace, Gasgow; in whose hands it articles of roup and stile deeds, and a spins for the cessios and mineral workings, may men.—Mr. McGosh will give directions for the loads along pointed out, and the mansion

WANTED,—The ADVERTISER is at liberty to enter into an a specifically acquainted and conversable with mines and mining operations, also with virey description of engine and machinery used in the working of mines and dressing of res.—For further particulars (apply by letter) address "A. B.," extre of Mark Sherlock, Soly, smaller, and lead merchant. McMitten, in Translation.

RON AND TIN-PLATE TRADE.—WANTED, & PARTNER either active or sleeping, with a capital of not less than £3000, to JO
ISER in CARRYING on the ABOVE TRADE, in a northera countytypals, or their solicitors, will be treated with.—Address "A. B.," Chas
olicitor, 10, Old Jewry Chambers, London.

TO MINERS AND O'THERS.—FOR SALE, about FIFTEEN
TONS of BEST FOUNDERS' SLAG.—For particulars apply to Wm. Cuthbert
18, Back Church-lane, St. George's-in-the-East, London.

ARGE QUANTITY OF LEAD ORE-of a very superior quality—FOR SALE, now lying in a warehouse near to the Raliw PENRITH, Cumberland, where it can be seen on application to Mr. Matthew Penrith; or samples of the same will be sent, on application being made as ab

HIGH-PRESSURE ENGINE FOR SALE.—TO BE SOLD, power, well adapted for drawing and pumping; eylinder 2 feet 6 inches dismoser, stroke 6 feet, fly-wheel 20 feet diameter, and beam 19 feet long. Also, TWO CYLINDRICAL BOILERS, 24 feet long, and 6 feet diameter. The angine may be seen at the Bramhope Tunnel, on applying to Mr. Taylor, Tunnel Office, Bramhope, near Leeds; and further particulars may be had, on application to Mr. Bourne, eagineer, at the Leeds and Think Railway Offices, 5, South Parade, Leeds.

STEAM-ENGINE.—A PORTABLE, or INDEPENDENT ENGINE of 16 horse power, constructed on Boulton and Watt's low pressurciple, having a stroke of 3 feet, a cylinder 294 in: diameter, an air-pump list in: di
a fly-wined, 15 feet circumferonce, and weighing about 34 cwist, is to BE DIS
OF. This engine was made by Peel, Williams, and Co., of Manchester, and cree
year, for a temporary purpose.—Pre-paid letters on the subject, addressed to
Grout and Co., 12, Foster-lane, London, will receive immediate attention.

STEAM-ENGINE FOR SALE.—TO BE SOLD, BY
PRIVATE CONTRACT, a 62-inch cylinder PUMPING ENGINE, on the Corning
principle, without boilers—9-feet 6-inch stroke in cylinder, and 7-feet 6-inch in shaft, with
beight working gear, ic.—For further particulars, and to treat for the same, apply to
Mr. Wm. Gregor, Raven-hill, Swanses.—March 19, 1849.

STEAM-ENGINES FOR SALE—A BARGAIN.—A PAIR of MODERN ENGINES, of 160-horse power each, with BOILERS
: fitted to Smith's Patent Propeller, and complete, with driving w
am-pips, gearing, &c., edinirably school for a ship of large tomage,
poses. Also, TWO PAIRS of MARINE BEAM ENGINES, by Pawer
expects—calc engine of 85-horse power, in capital condition.—For part
Messrs. Bayley and Ridley, 3, George-yard, Lombard-street.

COLLIERY TO BE LET, SWANSEA.—TO BE LET, for such a term of years as may be agreed upon, the COAL lying under an ESTATT of about TWO HUNDRED ACRES, within 4 miles of the port of SWANSEA. An on the has been exceted, and one scam of ocal has already been won. The small is suitable for general manufacturing purposes, and the large is most excellent as steam-packet coal from both is situate within a few yards of the Swansea Canal, to which the communication culars apply to Mr. Phillip Richard, Gorse Colliery, near Swanses

MINING PROPERTY.—Mr. JAMES HERRON, MINE AGENT, 33, CLEMENTS-LANE, LOMBATD-STREET, has received instructions to DISPOSE of SHARES in FIRST CLASS MINES, paying regular dividends, and yielding to the purchaser from 17s to 25 per cent, upon his outlay. He is also in a position to transact business in the following—viz. St. John del Rey, Tamar, Treviskey and Barrier, Great Devon Consols, Alten, Australian, Condurrow, East Wheel Rose; and Wheel Stook Mines, Great Consols Gwemap, Treviskey, Treithellan, Mary Anne, Editar, Tincroft, and Kaswick Mining Company.

MINING OFFICES, THREE KING'S COURT, LOMBARD
STREET, LONDON.—Measrs R. TREDINNICK & CO. beg to draw the attention
of capitalists to the DEPRESSED MARKET VALUE of SHARES in ENGLISH and
FOREIGN MINES, many of which pay dividends of from 20 to 30 per cent; per annum
whilst those on the eye of so doing are selling at corresponding low prices.—Messes, T. & Co.
continue to DEFAL in aware describing of MUNING, RALLWY, RANKING, TASHING. while those on the eve of strong accordance of MINING, RAILWAY, BANASHY, securiting to DEAL in every description of MINING, RAILWAY, BANASHY, securities, RANCE, CANAL, and OTHER SHARES.—Statistical information silorded granuites are researched application.—MONEY ADVANCED upon the above securities.

MINING OFFICES, No. 8, GEORGE-YARD, LOMBARD-STREET, LONDON.—Mr. RICHARD THOMAS (who has had 30 years' experience as a mining agent in London) OFFERS his SERVICES in the PURCHASE and SALE of MINE and OTHER SHARES, on commission. Purchases in many valuable mines may now be made of upprecedently low prices. The fullest information gives (without charge) relative to mining investments and operations.

N.B.—R. T. has now ON SALE a limited number of SHARES in an undertaking of ferring unusual advantages, situated in one of the best mining districts in Cornwall.

MINING OFFICES, No. 1, ST. MICHAEL'S-ALLEY
CORNHILL, LONDON.—Measts. WATSON and CUELL have FOR SALE
SHARES in Heigaston Down, East Tamar, South Tamar, Devon Great Consols, St. John
del Rey, Trelawny, Mary Ann, and most of the best dividend-paying mines in Cornwall
and are PURCHASERS of Condurrow, North Pool, Stray Park, Treviskey and Barrier
Tincroft, West Whead Jewel, &c. &c.—Messrs. W. and C. have also FOR SALE, 373
SHARES in the GRAND JUNCTION WATER-WORKS.

MR. THOS. P. THOMAS, MINING AGENT, AND DEALER IN RAILWAY, GAS, BANK, INSTRANCE, AND OTHER SHARES, 3. GEORGE-YARD, LOMBARD-STREET, LONDON.
T. P. THOMAS is a SELLER of SHARES in the leading MINES of Cornwall, De ad Wales—paying from 10 to 20 per cent.—Statistical information afforded upon onal application, of by letter.

MR. RYE, 77, OLD BROAD-STREET, is a BUYER in South Frances, Conductrow, Stray Park, West Tolgus, Wellington Mines, Carr Brea, Comfect, Levant, East Pool, East Crofty, Trelegic Consols, Mary Ann; SELLER in South Basset, West Scion, West Caradon, Deven Great Consols.

MR. JAMES STRIDE, MINING AGENT, AND DEALER IN SHARES, 27, SPRING-GARDENS, LONDON,

JAMES LANE, MINING SHARE DEALER 60, OLD BROAD-STREET, LONDON. METALLURGICAL ASSAYING AND ANALYSIS, on the most reasonable terms, by ALFRED SENIOR MERRY SHERBOURNE-STREET, BIRMINGHAM.

A SSAYING AND ANALYSIS.—Mr. MTTCHELL begs to inform the MANAGERS, &c., of MINES, SMELTING-WORKS, and MANUFACTORIES, that he still continues to CONDUCT ASSAYS and ANALYSES of all PRODUCTS, metallargical and manufacturing, at his LABORATORY.

28, HAWLEY-ROAD, KENTISH TOWN, LONDON, John to which address communications are to be forwarded.—Instruction in all branches of assaying and analysis as itsual.

GUADALCANAL SILVER MINING ASSOCIATION.—
SPECIMENS of the ORE from the above-named MINES having been RECEIVED
the shareholder may INSPECT the same at the OFFICES of the association, 34, Broad
street-buildings, City.—March 16, 1849.

K INZIGTHAL MINING ASSOCIATION, No. 1, Adelaide
place, March 24, 1849.—The SECOND GENERAL ANNUAL MEETING of the
association will be HELD at the offices of the company, i, Adelaide-place, London-bridge
on Friday, the 20th April next, at One o'clock precisely.

GEO. COPELAND CAPPER, Secretary

PENNANT AND CRAIGWEN CONSOLIDATED LEAD
MINING COMPANY.—Notice is bereby given, that a SPECIAL GENERAL
MEETING of the shareholders of this company will be HKED at the offices, 57, Threat
needle-street, on Tuesday, the 3d of April, at Twelve o'clock precisely, to receive a Report from the directors on the proceedings of the company, to make a call, to fortif thats
and for other important business.

WILDIAM W. MANSELL, Purge

TINCROFT MINING COMPANY.—Notice is hereby give that the ANNUAL GENERAL MEETING of the shareholders in this comparing the HELD on Tuesday, the 10th day of April posts, at 44 Finibury square, at 7 o'clock precisiony.—London, March 16, 1649.

TEUBER'S IMPROVED LIQUID GLUE is Impervious to DAMP or HEAT, without smell, and equal, if not superfor, in strength to any or time. It is used as a coment for IRON, WOOD, STONE, MARBLE, IVORY LASS, CHINA, and EARTHENWARE, PLASTER MODELS, for every description FANCY WORK, and for household purposes.

We have tried it on a china dish, a wooden box, and a meerschaum pipe, with on disfactory results."—Vide Builder, December 40, 1846.
"It will not mix with water is consequently impervious to moisture, and remains quaffected in damp distances."—Vide Mining Journal, December 5, 1846.
Wholsaile, sents—Low and Son, performers, 333 Strante, daile, Baker, and Wanngrists, Bouverie-street; Hopwood and Parke, Fish-street-hill, London.
N.B.—Respectable country agents required.

DLANTAGENET GUARD RAZORS, Manufactured under the authority of LETTERS PATENT GRANTED by HER MAJESTY THI UFEN, and ander the especial Paironage of the Mobility and Gentry, the Army and avy, the Clergy, the Bar, and the Faculty.

avy, the Clergy, the Bar, and the Faculty.
The Rasor is made, of the finest tempered steel, imparting a matchless smoot
senses to the sign; and the addition of the Guard causes the Razor to glide w
get the face, removing the heard without the possibility of cutting the skin.
Guard Razors are fitted for right-band and for left-hand shaving exclusively.

Best black handles, per pair, 12s.; taile, 6s. Bestivory handles, 16s. per pair, 12s.; taile, 6s. Bestivory handles, 16s. per pair, 12s.; taile, 6s. Bestivory handles, 16s. per pair; aisgle s.—Sent post-free for 8d. each extra.

A pair of the best Rasors, eleganity finished, in a superior Russia box, is a valuably meant for a nervous, peralysed, or short-sighted friend—price One Guinea; sent free for lagic Rasor, of the same quality and finish, in a near roan case, sent free for 16s.

C. STEWART & CO., Patentees, removed from 140, Strand, to 22, Charing Cross, andon. Post-office orders to be made payable to them at the Charing Cross post-office.

CAUTION. Every Guard is stamped with the signature of "C. Stewars and Control of the same payable of the superior of the same part of the same part of the same part of the same payable to them at the Charing Cross post-office. CAUTION.—Every Guard is samped with the signature of "C. Stewart and Co.," to initate which is forgery.—A full description of the invention, with restimonials from reaction application, seer post-iree.

reciteal application, sent post-tree.

"We have used the Plantagenet Rases, and found shaving to be performed with the recitest freedom and ease, and with perfect safety."—Mining Journal,
"Among the most valuable discoveries of modern times."—Morning Post.
"To all men a source of comfort."—Morning Herald.
"To all men a source of comfort."—Morning Herald.
"The blind, the nervous, and the invalid can get through the operation of shaving rith perfect security."—Sunday Finesa.
"It is litterally a fact, that this rator can be used by the operator with perfect security a aimost any situation. It can be used in bed, on a railway, or even in a carriage on the omnon reads. This genarded rator is really a splential invention."—Zancet.

PLANTAGENET RAZOR STROP.—The peculiarity of this strop consists in not yielding to the rasor blade, like the ordinary rasor strop, but gives that angular sharpness thick have preserves the keemess of the cutting edge.—Prices, 2s. 5d. and 3s. 5d.; sent one-free for 6d. exists.

ON NERVOUS DEBILITY AND GENERATIVE DISEASES. Just published, the thirty-ninth thousand, an improved edition, revised and corrected, 12 pages, price 2s., in a scaled curvelone, or forwarded, post-paid, by the Anthor, to any address, secure from observation, for 2s. 6d., in postage stamps, illustrated with numerous anatomical coloured engravings, &c.

TANHOOD: the CAUSES of its PREMATURE DECLINE ANHOOD: the CAUSES of its PREMATURE DECLINE.

with plain directions for its perfect restoration. A Medical Essay on those dissof the Generative Organs, emanating from solitary and sedentary nabits, indiscritate excesses, the effects of climate, and infection, &c., addressed to the sufferer in

manhood, and old age; with practical remarks on marriage, the treatment and

of nervous and mental debility, importency, syphilis, and other urino genital diseases,

which even the most shattered constitution may be restored, and reach the full period

allotted to man. The whole illustrated with numerous anatomical engravings on

in colour, explaining the various functions, secretions, and structures of the reprotive organs in health and disease; with instructions for private correspondence, cases,

By J. L. CURTIS, consulting surgeon, 7, Frith-street, Soho-sq., London.

We feel no hesitation in saying, that there is no member of society by whom the book will not be found useful.—Reviews of rize work.

We feel no hesitation in saying, that there is no member of society by whom the book will not be found useful—whether such person hold the relation of a parent, preceptor, or a clergyman.—Sus, Evaning Paper.

L. Curris, Os Manhed, and the Casses of its Premature Decline; with Plain Direction for the Prefet Restruction.—[Strange, Paternoster-row.]—This is a book replete with realizable advice and information.—It developes the fearful shoals on which a large proportion of human happiness is wrecked, and furnishes a chart by which they may be wolded and escaped. Fortunate for a country would it be, did its youth put into practice the philanthropic and scientific maxims here laid down. One cause of matrimenial misery might then be banished from our land, and the race of the enervate be succeeded by a reneval of the hardy vigorous spirits of the olden time.—Unised Kingdom Magazine.

Manhood: a medical work.—To the gay and thoughtiess we trust this little work will serve as a become to warn them of the danger attendant upon the too rash indiagence of heir passions—whilst to some if may serve as a monitor in the hour of temptation, and a the afficience as a sure guide to health—Chronicle.

Manhood: by J. L. Curtis and Co.—Their long experience and reputation in the treatient of these painful diseases is the patient's guarasitee, and well deserves for the work immense circulation.—Eva.

Published by the author, and may be had at his residence: sold also be discovered.

nee Circussion.—ora.

Bed by the author, and, may be had at his residence; sold also by Strange, 71, err-row, London; Heywood, Oldham-street, Manchester; Philip, South Castleverpool; Robinson, 11, Greenside-street, Edinburgh; Campbell, chemist, 146, reet, Glasgow; Berry and Co., Capel-street, Dublin; and by all booksellers.

NIEW MEDICAL WORK .- Dr. G. T. HUNTER on Diseases and Weakness of the Generative Organs, containing a popular anatomical descripof the parts—contagious diseases, gonorrhors, syphilis, &c.—their prevention and
i; chronic diseases, including gleets, resumatism, and a new method of treating strics; spermatorrhors and weakness; enervation of the physical and mental powers, by
practice of secret vice or excessive includence; martimony, its obligations, expectsand disappointments; with a long Appendix of prescriptions and instructions. The
ice compiled with a view to affording a safe guide for self-treatment, and containing a
ter amount of genuine practical information than is to be found in any work of the
hitherto published.—Sold at 115, Floret-street; and sent free for 2s., in money or
ps, by J. Barkley, 87, Leicester-square, London.

ted by 26 Anatomical Coloured Engravings on Steel, On Physical Disquall rative Incapacity, and Impediments to Marriago. New Edition, enlarge ...—Just published, price 2s. 6d., or by post, direct from the establishmen

POSTAGE STRENT FRIEND: a medical work, on the infirmities

THE SILENT FRIEND: a medical work, on the infirmities and decay of the generative system, from excessive indulgence, infection, and the inordinate use of merenry, with remarks on marriage, and the means of obviating certain disqualifications, illustrated by 26 coloured engravings. By R. & L. PERRY & Co., sonsalting surgeous, 19, Berners-street, Oxford-street, London. Published by the authors; sold by Strange, 21, Paternoster-row Hannay, 63, and Sanger, 150, Oxford-street; Starle, 23, Titchborne-street, they are supplied by the fauthors; sold by Strange, 21, Paternoster-row Hannay, 63, and Sanger, 150, Oxford-street; Starle, 23, Titchborne-street, they market; and Gordon 146, Leadenhall-street.

Parr yray First reast of the anatomy and physiology of the reproductive organs, and as illustrated by six coloured engravings.—Part yray Excond treats of the consequences resulting from excessive indulgence, and their lamentable effects on the system, producing mental and bodily weakness, nervons excitement, and generative incapacity; it is ellustrated by three explanatory engravings.—Part yray the foundation of the decay of the consequences resulting from infections, either is the primary or secondary form, and contains explicitedirections, for their treatment. This section is illustrated by 17 coloured engravings.—Part yray foundation of disease by a simple application, by which the danger of infection is obvisted. This important part of the work should not escape the reader's notice.—Part yray first by devoted to the considered, and the whole subject critically and philosophically inquired into.

THE CORDIAL BALM OF SYRIACUM is exclusively employed in treating nervous and sexual debility, impotence, &c., i.s. and 33s. per bottle.—TRE CONCENTRATED DETRESTYE ESSENCE, an anti-syphilitic remody, for purifying the blood in cases of infection, secondary symptoms, cruptions, and the abuse of mercury, 11s. and 33s. per bottle.—TRE CONCENTRATED DETRESTYE ESSENCE, an anti-syphilitic remody, for purifying the blood in cases of i

DR. LAMERT ON THE SECRET INFIRMITIES OF YOUTH AND MATURITY.

Just published, and may be had in French or English, in a scaled envelope, 2s. 6d.; for ELF-PRESERVATION: A Medical Treatise, on the Physiology of Marriaga, and on the Secret Infirmities and Disorders of Youth and Maturity. CELF-PRESERVATION: A Medical Treatise, on the Physiology of Marriaga, and on the Secret Infirmities and Disorders of Youth and Maturity, ansuly acquired at an early period of line, which enervate the physical and mental powers, diminish and enfectle the natural feelings, and exhaust the vital sengites of Manhod; with Practical Observations on the Treatment of Mervons Debility, whether arising from these causes, close study, or the influence of tropical climates; local and constitutional weakness, sphills, stricture, and all diseases and derangements resulting from indiscretion; with 40 coloured engravings, illustrating the Anatomy, Physiology, and Diseases of the Reproductive Organi, explaining likes are successed and infection.

BY SAMUEL LAMERT, M.D., 37, BEDYON-SQAXEL LONDON.

Doctor of Medicine, Matriculated Member of the University of Edinburgh, Licentifieds of Apothocaries Hall, London, Honorary Member of the London Hospital Medical Society, Lec.

"The author of thissingular and talented work is a legally qualified medical man, who has evidently had considerable experience in the treatment of the various disorders, arising from the follow and frailities of early indiscretion. The engraving are an invaluable addition, by demonstrating the consequences of excesses, which must act as a sanitary variance by out-had maturity, and by 180 periods. In many questions may be astifactorily replied to, that admit of no appeal, even to the most confidential friend. "—Eva:

"Unquestionably this is a most extravordinary and skilful work, and ought to be extensively circulated; for it is quite evident that there are peculiar labits sequired at public schools and private seminaries, which are robally unknown and concealed from the conductors of those establishments, and which cannot be too strongly reproduced and condenned. The engravings that accompany the work are clear and expinantory; and being written by a duly-qualified medical practitioner, will, doubtless, be the means of sarting many a youth, as well as those of

transorme-error, thymarket. Thanks, the property of the property of the author's residence, who may be commally (or by letter) on these disorders daily, from 10 till 9, and from 5 till 8.

TEAM TO INDIA AND CHINA, VIA EGYPT.-MONTHLY MAIL (cleam conseya EYLON, MADRAS, CALCUTTA, PR CETLON, MADISAS,
THE PENINSULAR AND ORIENTA
OOK PASSENGERS and RECEIVE GO
ON PASSENGERS and RECEIVE GO
ON PASSENGERS AND RESERVED.

from Southampine of the month, for Boundary's steamers once to Alexandria by her Majesty's steamers, and of the month, to Maita, thence to Alexandria by her Majesty's steamers, and from Suez in the Renouable East India Company's seamers.

MEDITERRANSAN.—HALTA—On the 20th and 19th of every month.

SPAIN AND FORTUGAL.—Vigo, Oporto, Lisbon, Cadiz, and Gibraltar, on the 7th from Jana 27th of the month.

For plans of the wossis, rates of passage-money, and to secure passages and ship cargo, apply at the company's offices, No. 123, Leadenhall-street, London; and 37, High-street, Sonthampton.

OVERLAND GOODS AND PARCELS FOR INDIA, ADEN, CEYLON, MADRAS, CALCUTTA, SINGAPORE, CHINA, and BOMBAY, should be DELIVERED not later than noon on the 17th et each menth; and if forwarded on the 18th, will be subject to an extra-charge.

When the 18th fails on a Sunday, no package will be received after the 17th, and cases must not exceed 70 the. In weight, and when measuring over one cubic foot, they must be strong, and well hooped at the ends.

Festimular and Oriental Steam Navigation Company's Offices,

123, Leadenhall-street, London, Feb. 23, 1849.

EMIGRATION FACILITATED.—Those persons who expect their friends in AUSTRALIA to assist them in their OUTFIT, might write to their friends there to pay the money into the hands of S. W. SILVER & CO. SAGENTS in AUSTRALIA, or set eiter connections in the district, who would be named on application to S. W. SILVER & CO., as CASH at the exchange of the day, for the OUTFIT. This proposal will be also communicated through the COLONIAL JOURNALS. EMIGRANTS fitting-out warehouse at No. 4, Bishopsgate-street (opposite the London Tavern), where colonial information may be obtained, and small parcels received and forwarded to the

colonial information may be obtained, and small parcels received and forwarded to the colonias.

N.B.—CADETS to INDIA, and CABIN PASSENGERS generally to all parts of the lobe (with experienced Female Managers in the Department for Ladles), fitted, out as recretofore as 6.6 & 6.7, Cornallib, by S. W. Silver & CO., OUTSTILES, CLOTHERS FOR HOME USE, and CONTRACTORS; and at St. George's-creacent, LIVERPOOL.

PATENT CORK FIBRE—For STUFFING MATTRESSES, SQUABS, BOAT CUSHIONS, BOLSTERS, PILLOWS, &c.

PATENT CORK FIBRE—For STUFFING MATTRESSES, SQUABS, BOAT CUSHIONS, BOLSTERS, PILLOWS, &c.

FOR THE PRESERVATION OF LIFE FROM DROWNING AT REA.

The floating quality are babyancy of cork six known by everybody; it is needless to speak about it in an advertisement. The application of that quality in an available form at sea has mever yet been achieved, and several years of the patentee's life have been upon it neeking the successful solution of that problem.

Mattresses and bolsters, sofa-cushions, and squabs, all articles of indispensable necessity in the cabin, when stuffed with cork flore, in lieu of the ordinary material, became life preservers in the hour of danger, while they subserve all their usual purposes at other times. The efficiency of these life preservers is indisputable, as they form articles of daily asso, are always at hand, and ready for service, in the event of any calamity from accident, shipwreck, or fire. Moreover, they take up no additional space.

The mattresses and bedding do not depend upon a waterproof or any particular covernge—nor upon the exclusion of water—nor upon infation by air—their buoyancy is not, in the slightest degree, impaired by saturation, leakage, perforation, or damage of any description—in fact, a mattress torn in several pieces will still foat.

Steamboat and ship owners, members of yacht clubs, passengers, emigrants,—all must be interested in an invention which places human life beyond the risks fincident to the sca. Even the use of boats may be without peril, when supplied with cushions stuffed with the orth fibre as undervous for general application as stuffing:

1. For cleamliness it is unsurpassed, as it affords no support for insect life.

2. It is a non-absorbent. No melsture is retained, but all fluids instantly permeate.

4. For India, and the tropics generally, it is invaluable. Every one familiar with tropled gelevances, places foremost amongs them the revarges of the moth and other insects of life destructive habits. Beds, sofs mattresses, stools, addies,

of like destructive and a comparatively short person of the destructive and an autoral repollent of insect life, as the cits which promote its development and sustenance are absent.

5. Moreover, the best medical authorities agree that cork possesses properties which are alike preventive and curative of certain affections to which the human frame is subject, such as rheumatism, cramp, &c.

For all these reasons, the patent cork fibre is peculiarly adapted for the mattresses of barracks, unions, hospitals, innatic asylums, orphen schools, and, indeed, for all institutions where the first requisites are—health and cleanliness.

To offices under carvas in campaign the cork fibre mattress will be invaluable, as if will preserve them from the effects of steeping upon damp bedding, to which they owe so much of their ill-health insafer life.

The mattresses, and all other manufactured articles, may be obtained of Messra. Taylor The mattresses, and all other manufactured articles, may be obtained of Messra.

so much of their ill-health in after life.

The mattresses, and all other manufactured articles, may be obtained of Messrs. Taylor and Sons, steam-ship and yeach fitters, Great Dover-street, Borough; and of Messrs. Sliver and Co., general outfitters, Cornilli; also of most other respectable outfitters, spholsterers, and bedding manufacturers.

The fibre can only be had at the company's works, City Saw-Mills, Wenlock Basin Regent's Canal, City-road.

"The recent lamentable loss of 170 lives on the coast of Essex (Floridias emigrant ship), would not have happened, had the unfortunate vessel which was wrecked had mattresses of this material on board.—Times, March 7.

IMPORTANT TO MINE OWNERS, &c.

UTTA PERCHA COMPANY—PATENTEES,
The GUTTA PERCHA COMPANY beg to bring under the notice of Mine Owners,
Manufacturers, &c., the GREAT SAVING, both of time and expense, which is effecte
by the use of the GUTTA PERCHA PUNP BUCKETS and VALVES. These Brocket
may be had of any size or thickness, viihost gay seam or reised joint. They are unsaffecte
by acids, alkalies, &c. Cold water will never soften them, and they are, consequently,
much more durable than leather, and also chesper. The most gratifying restimontals
have been received from millowners, who have had these Buckets in operation for syveral months past, without the slightest repairs being required.

Being so remarkable a CONDUCTOR of SOUND, is now being extensively applied for CONVEYING MESSAGES from ONE BUILDING, or PLACE, to ANOTHER, if a Tubing of this material, i inch dismeter, be carried from the mouth of a mine, or pit, down the shaft, to various parts of the mine (no matter whether a quarter or half a mile down the shaft, to various parts of the mine (no matter whether a quarter or half a mile down the shaft, to various parts of the mine (no matter whether a quarter or half a mile down the shaft, to various parts of the mine (no matter whether a quarter or half a mile out to the communication may be established by means of the whistle, on which was principle, and a conversation carried on as distinctly as though the parties were but a few feet from each other. When these Tubes are in general use, they will greatly easen the loss of life is some.

Continue to secure a continually increasing demand; they can be had of an length. Their durability and strength, perpanent contractlity and uniformit stance, their non-susceptibility of injury from contact with oils, grease, acids, at water, and the facility with which the only joint required can be made in bend 200 to 300 feet long, render them superior for almost all working purposes, and decomposited.

economical. GUTTA PERCHA Soles for Boots and Shoes, Bowls, Buckets, Picture Frames, Brackets Mouldings, Surgical Instruments, Vases, Cups, Inkstands, Balls, &c., may be had at th Company's Works, Wharf-road, City-road, London, or of any of their wholesale dealer

DAMP AND GASEOUS EXHALATIONS.

All MEMBERS of BOARDS OF HEALTH are especially DIRECTED to the most EFFECTIVE MEANS which they can ADOPT to PERVENT the injurious and often FATAL EFFECTS upon the HEALTH of the COMMUNITY, rating from exhalations that are produced form violature, decayed animal matter (as in grave-yate), staghant water, and collections of feetid the impervious quality of the ASPHALTE OF SET SSEL renders it the most perfect PAYEMENT or COVERING that can be relied upon for hermetically closing, and thereby preventing the rising of moisture and escape of incincus vapours. The present extensive application of this material for covering voors, terrices, and strehes, for preventing the persolation of was, is strong ovidence of the effectiveness for the above purposes, which is further confirmed by the following extract from the Report of the Commissioners on the Fine Arts:

"In 1839, I superintended the construction of a house of firme stories on the Lac d'Enghein. The foundation of the building is constantly in water, about 141 inclies below the level of the ground floor. The entire horizontal surface of the external and interval wells was covered at the fewel of the internal ground floor with a layer of SEY-SEL ASPHALTE, a less than haif an inch thick, over which coarse sand was spread. Since the above date, no frace of damp has shown itself round the walls of the lower story, which are for the most part painted in oil, of a grey stone colour. It is well known that the least moisture produces reunal spots, deriver or lighter, on walls so painted. Yet the payement of the floor, resting on the soil itself, is only about 24 in above the external surface of the soil, and only 194 in, as the untrost, above the propose of the soil, and only 194 in, as the untrost, above the propose of the soil, and only 194 in, as the untrost, above the propose of the soil, and only 194 in, as the untrost, above the propose of the soil, and only 194 in, as the untrost, above the setternal surface of the soil, and only 194 in nal surface of the soil, and only 152 m., at the termon, down that the interest of the purpose of fisserting the allis of two doors, spots indicating the presence of damp have been since remarked at the base of the door-posts."

\* This method has been adopted at the new Houses of Parliament.

Sepand Asphalte Company, Stangate, London.

1. FARRELL, Secretary.

AUTION—" One of the most useful articles that can be possiblence of Robinson's Patent Liquid Gine."—Times. From the set nowhedged excellence of Robinson's Patent Liquid Gine."—Times. From the set nowhedged excellence of Robinson's Patent Liquid Gine.—Times aparticular to saf for Robinson's Patent Liquid Gine.—None size is genuine. Notince time nor climate, not nor cold finite, affect it.—"It unites permassantly sowered glass, show, wood, cast-from, stone, or marble.—Douglas Jeroids Weetly Roapoper." An extremely valuable addition to the store of demestic requisites. —Aless.—It is notice, price is.—Popl. No. 77, High Holporn, opposite the George and Blow Boar, London; may also be had of Wm. Hobdell, 2, 2 stoy's-row, Lower-road, falington.

THE PATENT OFFICE AND DESIGNS REGISTRY. THE TATENT OFFICE AND DESIGNS REGISTRY,

No. 210, STRAND, LONDON.

TOVENTORS will receive (gratis), on applications, the OFFICIAL CIRCULAR OF
INFORMATION, detailing the eligible course for PROTECTION of INVENTIONS and
DESIGNS, with Reduced Scale of Fees.

Mesors, F. W. CAMPIN and CO. offer.

Mesors, F. W. CAMPIN and CO. offer services, and the benefit of many fees
reportance, in SECURING PATENTS and REGISTRATIONS OF DESIGNS, with due
regard to VALIDITY, economy, and dispatch—assisted by scientific men of repute.

Also, in MEGHANICAL and ENGINEERING DRAWINGS, whether connected with
Patents, Railways, or otherwise, by a staff of first-rate draftamen.

Application personally, or by lette to F. W. Campin and Co., No. 210, Strand (or
ner of Lesser-street).

ELECTRIC LIGHT-M. LE MOLTS VOLTAIC BATTERY.

CARBON ELECTRODIE, for the emission of the electric light.—This light is ordinarily produced by the assistance of two pencil-shaped pieces of carbon, whose points are brought to a proximate opposition, and maintained at a convenient distance, commenurately with the combustion of the major short of the process of the control of

carefully attended to—a care which may be intrusted to the manipulator charged with the preparation of the battery.

However, in respect to my system of production of the electric light, I am obliged to acknowledge that, in a series of experiments upon my battery by Professor Cooper, some remarkable effects of prolonged continuity were noticed; and I will add that, in the report which resulted, I have found the very favourable judgment pronounced by that eminent chemist on the advantages of my improvements, to be an ample recompense for my efforts.

M. Le Molt concludes with some observations on the application of his invention, for which we cannot afford space. He admits his inability to form a design to supersede the ordinary means of illumination at present in use for spartments and streets, and defines the uses of his apparatus as available for the following purposes:—For light-houses, and illuminating the approaches of sea portes; telegraphic signals on consts; lights and signals about states and saling vessels; for milway stations and trains; for grand scenic effects in theatres; public gardens, or other spacious localities, or avonues of considerable extent; for the reduction of metals by

.

\* It is quite evicent that M. Le Moit speaks without having made any cape the striplect. It is not because his mechanical skill his failed in the desired apparent from its own contribunce, that amongs Englishmen, so eminably mechanical genins, will not be found one who may realise the necessary conditions but a mechanic and chemist, who has watched the working of a machine, of here suggested; can speak fairly of its capabilities.]

the electrotype process; the production of photographic likenesses, and other similar impressions; as the means of obtaining a motive power; and for all other adaptations requiring the aid of an energetic battery, or a powerful light. The application of it is specially recommended in lighthouses, as a safety signal (timcelle de souvetage), in rain, fog, and storm; and as a light for shipping for lights and signals of distress, to light up a distant point several miles off, to steer for it or give it a wide berth; it is described as available for every purpose and at every point aboard ship through the instrumentality of an apparatus, which M. Le Molt calls porte-stincelle. We need hardly add our opinion that, if all this be proved, navigation will be wonderfully benefitted by this application of the light. No less important is the introduction of it for railway purposes, to prevent the accidents by collision, which have too often occurred for want of a timely in dictation of the proximity of two trains. These remarks close with the following passage:—"Mr. Cooper has ascertained, by the aid of a photometer, that my light, in respect to its power, was by no means inferior to that of an August sun at full noon. These two lights are equally intercepted by a thick fog; but they penetrate a thickness of fog three times greater than any other light. And we find, in like manner, that my electric spark is distinguishable at a considerable distance, by the yellowish colour which it throws on the fog in the part of the atmosphere under its ray, which will afford to two trains, or two ships, the necessary time to avoid a collision, or any other accident."

M. Le Molt informs us that he has made three public experiments—the first at Gosport, on the night of the 9th of June, under most disheartening circumstances of weather; but, nevertheless, so far successfully, as to elicit the approbation of Admiral Parry, and other offecers, who at tended. The second, on the 19th November, at the Great Western Railway, under Mr. Brunel;

TY. light f carained manists etain man

the

ous ent l be

re-it a ihe ob-ed, ne

5

#### THE GAS QUESTION.

On Monday evening last, a lecture was delivered by N. DEFRIES, Es gas engineer, at the Western Literary and Scientific Institution, Lei r-square, on illumination by gas, and the process of its generation with its cost, and how its measure is correctly ascertained, when registered by meter. The lecturer introduced his subject, by observing on the great importance of the gas question at the present moment, when so much excitement existed on the subject; scarcely a day passed but he had visitors whose object was to obtain some information thereon, and he might almost say, that the community were mad relative to it, for want of some other exciting cause. During the past fornight, a committee of the House of Commons had been sitting, hearing evidence at to the capitals invested, cost of works, materials, &c., and would, probably, be engaged on the question for another month at least. He would go through a few preliminaries to ascertain the cost of this important article, and in doing so he could not do better than take the London companies for a criterion. Some parties, he maintained, who had the management of works, did not sufficiently understand the correct method of producing good and pure gas; while at the Chartered, Imperial, and other of the large London works, the processes were superintended by gentlemen of high talent. By the Parliamentary report of 1847, it was proved, that so far from the gas companies obtaining the enormous profits which had been represented, the Chartered paid only dividends to the amount of 6 per cent., City 10 sper cent., the Equitable had been two years without paying anything, and the largest dividend was 45 per cent, the Commercial very little, and the London Company nothing. He would ask, if all, like the City paid 10 per cent, was it too much? When the loss by leakage, condensation, surreptitious burning, and other circumstances over which they had no control, was considered, and which he estimated at 35 per cent, with the enformous risk, for no insurance companies would risure gas—works for any premium, and a concern worth to-day 200,000f, might to-morrow not be worth 1000f, he was sure his commercial hearers would agree with his that such a dividend was only a fair remuneration, and that the charge against the companies of insisting on exorbitant prices must fail to the ground. Gas was formerly 15s, per 1000 cubic feet, and importance of the gas question at the present moment, when so much exnent existed on the subject; scarcely a day passed but he had visitors whose object was to obtain some information thereon, and he might alacids into the washing process, as deteriorating the gas; he believed simple water was the best, and from the affinity of ammonia for water, the results were nearly perfect. He next described Leslie's dry lime purifier, through which the gas was then passing, being a chamber with six horizontal partitions of perforated metal, on which dry lime was deposited, and she process could be distinctly traced, the gas being turbid in the first, less so in the next, and perfectly invisible in the last two divisions. Mr. Defries then described the gas manufactured in the several towns of Scotland, which he represented as exceedingly good, and he humorously related a circumstance of several hundred dry meters being required for the gasworks at Borristowaness, where he could only see five or six shops; the fact was, every flat in each house had a separate meter, and the poorest workman had his gas-light, which he found much the/cheapest; he thought we were flats for not making a more general use in London of this elegant light, and he hoped soon to see the day when every drawing-room, every bed-room, would be fitted in the manner in which the Queen had set the example, by introducing it at Buckingham Palace. If pure gas was to be supplied at a cheaper rate, it must be by increased consumption.

Mr. Defries said that, in making these remarks, he stood there on his own responsibility, by the invitation of the owners of that excellent institution. He had a character to lose, and was not the creature of any company or companies; and he was determined to carry out his object to the best of his ability, if means could be found to effect it—mamely, to

onvince the public that there were no grounds for the present clamour against the charge of the London companies. He said the charge made that the standards of the companies varied 2½ per cent., involved the characters of some of the first engineers, superintendants, inspectors, and gentlemen holding the highest positions in society, who were directors of gas companies. To some of the latter of these he was personally known, and he was confident they would not lend themselves to anything wrong. He contended the meters did measure correctly; the water meter, if the liquor was kept to the proper water line, was a correct measurer; but they contained defects over which their constructors had no control. His dry meter was a perfect measurer, and could not be tampered with, without destroying the machinery, and thus carrying detection with the act; it would measure to the 600th of a foot. If any one would call on him, he would show them how to regulate their meters gratis. He then described how a cubic foot of gas could be clearly ascertained, by allowing the gas to fill the space in the top of a close vessel, while 62½ lbs. of running water was drawn out; when the weighing machine indicated this, 1 ft. of gas would have left the gasometer, and the index of the meter would be found correct. Several different description of burners were then exhibited — among which was Leslie's calorific chamber burner, which Mr. Defrios described as the most economical, in proportion to the light, of any he had yet experimented on, and which consumed only 3½ ft. per hour, and further stated that, at his next lecture, he should show several other new burners. Lowe's naphthalised gas was also shown, by passing some of the gas burning in the theatre through naphtha; it was greatly improved, giving a brilliant light, which however was completely eclipsed by the hydro-oxygen light—one of which filled the whole building with a flood of light equal to day time, from floor to ceiling, and seemed to equal in intensity the electric light, whi

### Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK.

.. Patent Fuel Company—offices, at Twelve.
British American Land Company—London Tavern, at One.

.. British Gas-Light Company—London Tavern, at Twelve.

.. British Gas-Light Company—London Tavern, at Twelve.
Patics's Patent Caudie Company—London Tavern, at Twelve.

Alliance British & Foreign Life and Fire Assurance Co.—offices, Twelve.

.. Shropshire Mineral Railway—London Tavern, at Twelve.

Palladium Assurance Company—offices, at One.

Family Endowment Society—offices, at Two.

General Screw Steam Shipping Co.—offices, at One.

Callington Mining Company—offices, at two.

Etonian & General Life Assurance and Endowment Society—office, Two
Dhobah Sugar Company—offices, at One.

Compressed Air-Engine Company—Thatched-house Tavern, at One.

Falmouth Water-Works Company—offices, Westminster, at Two.

Whitehaven and Furness Junction Railway—offices, at One.

Rosherville Pier and Bobaincial Gardens Co.—London Tavern, at Two.

tings of Mining Companies are inserted among the Mining Intelligence. MEETINGS DURING THE ENSUING WEEK.

#### [The meetings of Mining Companies are inserted among the Mining Intellig MUTUAL LIFE ASSURANCE SOCIETY.

The half-yearly meeting of this society was held, by adjournment, on Tuesday, the 20th inst., at the London Taveru, Bishopsgate, and was very numerously attended.

JOHN CLAYTON, Esq., having taken the chair, said the most convenient course would now be for some one to read the report of the committee.

John Early, at the London Tavern, Bishopsgate, and was very numerously attiusues.

John Clarton, Esq., having taken the chair, said the most convenient course would now be for some one to read the report of the committee.

At the request of Mr. Brachell. (one of the committee), Mfr. Petra Hardy, F.E.S. (the actuary), read the following report:

The report stated, that the committee had met the directors at three several boards. On the 2d inst. it was resolved by the committee, that the interests of those members who became so by the resolution to allow commission, would be best ince by accertaining the share of each member in the assets at the end of the year 1848. The committee proposed of premiums improved at compound interest, at 3 per cent, at the end of the year 1845, is to the sam of 128,684. 3. 10d., so is the amount of premiums improved of the member whose share is to be ascertained to the share of such member. Members who elected to remain, to have, in money, 5 per cent. of their shares pollose. On the 8th instant, the dividingtion of have their share in money, together with any premium be under additionable to the share of such member. Members who elected to remain, to have, in money, 5 per cent. of their shares pollose. On the 8th instant, the dividingtion of the share of such members and the state of the share of such members. Any premium paid since that date to be returned. But the directors were of opinion that the allowance of commission to agents did not warrant any allowance to existing members. On the 8th inst., the committee resolved that the terms proposed by the board were objectionable—firstly, because a fast realtain of the sasets would give to each member of with a loss of 30 per cent. of their share of the savets, or remain upon equal terms with those who contributed 5 per cent. Lost than the to the committee regretted that so much of the further progress of per cent. of their share of the savets, or remain upon equal terms with those who contributed 5 per cent. The share of the savets, The demmittee have so far abated from their original demand as to reduce it from 65 per cent, it is not the directors are of opinion that 52 per cent, is as high a return as the members at large, with justice to their own interests, can sanction. Your directors concede that, if the society were to be now dissolved, and if its assets cagula be at once realized at the amount assumed in the balance-sheet, each member would be fittled to receive back a rum equivalent to 65 per cent, of the amount of premiums paid by him, improved at interest up to the 31st December, 1848. But the society is not about to be dissolved; it is a partial defection from it only which can be contemplated; and those members who remain are entitled to be as amply protected in their rights as those who seede. The directors are of opinion that the possible depreciation in the value of the society's funded and other property, and also the chance that the defection from the society may leave remaining an undue proportion of aged and unhealthy lives, as well as many other contingencies, should be provided against; and, taking these circumstances into consideration, they repeat that, in their opinion, 52 per cent. is a liberal return to the seconding members. As to the members who continue in the society, the directors have already, in their former raport, expressed their opinion that an increase of business will add to the security of the society, and to the amount of the present defitions, and it is with a view to the acquisition of this increase of business that they have allowed commission. This being so, it must be obvious that for the present members to appropriate to themselves any exclusive advantage would be most impolitie, insammeh as it would, to a certain extent, if not altogether, defeat the object of allowing commission; and this consideration alone has brought the directors to the conclusion that no compensation, on account of the allowance of commission, ought to be given to the present members to the society. The directors are un

ur own agent from the profits of the person whom he, at your solicitation, had indicate to your office,"

The Cuasawar Haring read this report, I now propose, as a mastler of form, that the original directors' report, and this second support, to entered on the minutes. The control of the propose of the control of the con

A complimentary vote of thanks was passed to the chairman for his impartiality through ut the proceedings, and to the directors, when the meeting adjourned.

Telegraphic Communication for the Million.—We understand a proposition will shortly be brought before the public, having for its object such an extension of the facilities of this extraordinary medium of intercommunication, as to bring its use within the means of all classes of society. The prices of the present company are quite a bar to anything like general adoption, as it must be something extremely urgent which would induce the capitalist to pay about 7s per 100 miles for merely 20 words, when he can get a long detailed letter in five or six hours for one penny. The system in America has been established on thousands of miles of railway, and put into operation on the principle of enabling the public generally to pariske of its advantages; and a company in this country, commencing on the same principle, charging about 6d. or 1s. per message, would soon find the decrease in price produce an enormous extent of business, and make the undertaking exceedingly popular. An increased means of never failing power, unquestionable secreay, and great reduction in charges, are recommendations that cannot fail to prove highly attractive to capitalist, merchant, and trader.

Actions in the Ponjade.—Those who take an interest in military tactics,

ACTIONS IN THE PUNJAUB.—Those who take an interest in military tactics, and in the various positions of our armies, during the late severe actions in, India, will be gratified by a publication, just issued by Mr. Wyld, of Charingcross. It consists of a sheet divided into five maps, showing the attack of cavalry on the Chenab, Nov. 22d; the action at Sudoowalla, 3d Dec.; a plan of Mooltan and its environs; the siege of Mooltan, and the action near Scoraj-Koond, Nov. 7th, 1848. The whole is clearly lithographed, and gives at sight a clear description of the several plans of action.

It is an Underhable Pact that Hollowar's Pills are the Finner Medicine in the head, blie, sick-headshes, stomach, of liver complaints, there is no medicine known that gives such immediate relief as these for Amond pills, the peculiar properties of which act directly on the mainsprings of life, to that so disease, however dangerous, can resist their influence; therefore all persons predisposed to any of these disorders should, as this meason of the year, promptly have recourse to a few doses, which would effectually check every symptom, and restore health and vigour.—Sold by all druggists, and at Professor Heilleway's establishment, 344, Strand, London.

### Transactions of Scientific Bodies.

NAME OF TAXABLE PARTY.	
and the second	MEETINGS DURING THE ENSUING WEEK.
THIS DAY	Royal Botanic -Inner Circle, Regent's Park 3 P.M.
MONDAY .	bear and Geographical - 3, Water loss place 8 P.M.
- TUBSDAY .	Medical and Chirurgical-53; Berners-street 8 P.M.
Charles .	Civil Engineers - 25, Great George-street 8 P.M.
acceptation and	
WEDNESD.	AY Society of Arts-Adelphi 8 P.M.
. THURSDAY	Royal -Somerset-house 8 P.M.
Bell De Lory	Antiquaries - Somerset-house 8 P.M.
FRIDAY .	
+200 do 1000	Chemical—Society of Arts, Adelphi 8 P.M.
SATURDAY	Westminster Medical—17, Saville-row 8 P.M.

#### NEW PATENTS.

NEW PATENTS.

A. V. Newton, Chancery-lane, mechanical draughtsman, for improvements in the manufacture of piled fabrics. (Being a communication).

J. Beranger, of the firm of Beranger and Co., of Lyons, France, civil engineer, for improvements in weighting machines.

T. H. Russell, Wednesbury, patent tabe manufacturer, and J. S. Woolrich, Birmingham, themial, for improvements in coating iron and certain other metals and alloys of metal. S. Hall, Kinga Arms-yard, Coleman-street, Londou, civil engineer, for improvements me apparatus for effecting the combustion of fuel and consuming smoke, and for prevening explosions of steam-boliers and other accidents to which they are liable.

G. Knox, Moorgale-street, Londou, sceretary to the Shrewsbury and Birmingham Railway Company, for improvements in railway carriages.

A. M. Dougall, Longsight, Lancaster, chemist, for improvements in recovering useful products from the water used in washing and in treating wool, woollen, and cotton fabrics, and other fabrics.

restances from the vater used in washing and in freating wool, wooled, and continuates, and other fabrics.

W. H. Fickering, Liverpool, merchant, for improvements in evaporating brine and tertain other fluids. (Being a communication.)

C. W. Siemens, Birmingham, engineer, for certain improvements in engines to be worked by steam and other fluids, and in evaporating liquids.

W. Parkinson, Cottage-lane, City-road, Middlesex, gas-meter manufacturer, successor os. Crosley, for improvemements in gas and water meters, and in instruments for regulating the flow of finids.

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

T. Eldrid, Fore-strict, Cripplegate, andwich case.

J. Fernihough and Son, Duckinfield, sécam-boiler.

W. and A. Manro, Edihburgh, locking wheel.

H. Smith and T. Willey, Liverpool, switches for tram ruliroads.

J. Young, Weiverhampton, lock assh-fastoner.

J. Sayes, Cornhill, the pluma coat.—Heckanics Magazine.

J. Sayes, Comilli, the pluma coat.—Mechanics' Magazine.

IMPROVEMENTS IN CONDENSERS.—Mr. Siemens, C.K., of Birmingham, has arranged a surface condenser for steam-engines, which he thinks may probably supersed entirely the injection condenser, and prevent incrusation in boilers, thus transmitting the heat of the fire more readily, and saving three-fourths of the power consumed in working the injection pump. By this arrangement the steam is brought in contact with the extended cooling surface, which absorbs its latent heat and condenses it, the heat being conducted from the condensity surface through the body of metal, and is taken up by a current of water or air (as is Mr. T. Craddock's condenser); but in the tubular condenser the heat passes with unequal rapidity, and the condensation proceeds alowly. Mr. Siemens's condenser is constructed on the principle, that if two vessels of a good conducting metal be made of similar shape, but of different thicknesses of metal, one being—say, one sixteenth of an inch, and the other one inch—water will boil with equal rapidity in each, proving that the transmission of heat through them is more rapid than the sbeorption by the water; and in its construction about 20 square feet of cooling surface is provided per horse power. It consists of a cast-iron box, of sufficient dimensions, an air-pump, a hot well, a cold water chamber beneath, and a cistern above, the box. Within this box are placed so audicient number of copper plates, 3-16ths of an inch thick, and long enough to fill the entire depth, and so arranged as to leave a space alternately between one end of each plate and the sides of the box, thus forming a zigzag channel for a current of cold water. Between each of the plates two pieces of flattened copper wire are placed to keep them sufficiently apart, and the whole is community and the whole is commerced by soft screws on the outside, until the wires are indented into the plate. The waste steam of the engine enters the box, and is continually discharged by the pump

publishes a description for the use of the public.

IMPROVEMENTS IN BENDING OR SHAPING METALS.—Mr. John Frearson, of Birmingham, machinist, has obtained a patent for improvements in bending or shaping iron or steel, or other metals. The metal to be operated upon is supplied while hot from between the rollers, by which it is formed, and drawn by tongs which have a to-and-fro and closing-and-opening motion communicated to them, between a pair of cutters, and slantwise across a mandril or die. The requisite length is cut off, and then drawn by the mandril between a pair of grooved rollers, which are supported in the ends of two levers, and piaced, not in the same right line, but side by side. As the iron is drawn through, the rollers are caused to approach by came acting upon the free ends of the levers. not in the same right line, but side by side. As the iron is drawn through, the rollers are caused to approach by cams acting upon the free ends of the levers, which will have the effect of bending it completely round the mandril. The link, when completed, is removed by the mandril being made to slide back, and by the forward action of a catch interposed between the link and sliding plate in which the mandril is supported. The different parts are worked from the main shaft by an arrangements of cams and levers, far too complicated to be described intelligibly without reference to diagrams. A nail or pin-making machine is described, which consists of a bed-plate, the face of which slopes down from the centre towards the sides, whereby a rigge is formed in the centre which rises gradually from one end to the other; above this the top plate travels in grooves, and has its under face formed to a to alope up from the centre towards the sides. A piece of iron, equal to the length of two pins, is placed upon the bed-plate, and the top plate made to travel from end to end, whereby the iron is formed into two cones, and, as the space between the centre fidges gradually decreases, it is finally separated into two pieces. The patentee claims six different apparatuses, as represented in drawings which accompany the specification.—Mechanics' Magazine.

WORKING OF COAL MINES.—A correspondent of the Leeds Mercany almost

the specification.—Mechanics' Magazine.

WORKING OF COAL MINES.—A correspondent of the Leeds Mercury, signed the College of Coal Mines.—A correspondent of the Leeds Mercury, signed the collieries about Plockton and Whitwood, and those of Barnsley. The system of ventilation is the same in both cases, but the mode of working diametrically opposed in one important respect; in the former the collier cuts the gateroad to any required distance, and works back towards the pit, leaving the old works behind him. In Barnsley they work direct from the pit; and thus the old works cut off their only chance of escape. When an explosion takes place it generally extends into the old works, blowing down the stoppings and walls built and plastered for diverting the current of air; and as it is the natural propensity of air to take the shortest course, the proper ventilation at the extremities must be destroyed. There can be no doubt that, in the Barnsley method, an explosion must have much more fatal effects than by the other system, particularly from suffocation. It is probable, had the Darley Main Colliery been worked similar to the Flockton and Whitwood, the destruction of life would not have been 1-10th what it was, and few would have perished from suffocation.

Americas Edition of the Electric Light.—Mr. Henry M. Payne, of

not have been 1-10th what it was, and few would have perished from suffocation.

"AMERICAN EDITION OF THE ELECTRIC LIGHT.—Mr. Henry M. Payne, of Worcester, Massachusetts, informs the Scientific American that he has discovered a means of generating light, by mechanical action, from water and lime. Mr. Payne saya—"I have continued the experiment at intervals, and I am now enabled to announce a successful result. I have produced a light equal in intensity to that of 4000 gas-burners of the largest bat's-wing pattern, with an apparatus occupying 4 square feet of room, at a cost of I mill. per hour, the current of electricity being evolved by the action of the machinery wound up with a common lock key, and the only materials consumed are water and lime. I am now engaged in making an apparatus for public exhibition, which will be teomploted this winter, and all its parts submitted to public inspection, except the interior of the generator. This apparatus I will exhibit one year, at the end of which I will make public the mechanism of the generator."

#### COAL MARKET, LONDON.

MONDAY.—Bate's West Hartley 14—Buddle's West Hartley 14 6—Cary's Hartley 14 6

East Ada'r Main 11 6—Holyvell Main 14 3—Hodley's Hartley 13 6—Cary's Hartley 14 6—Ord's Redheugh
13 62—Barvanworth West Hartley 13 6—Tansield Moor 13 6—Towniey 13 9—Walker's
14 62—Barvanworth West Hartley 13 6—Tansield Moor 13 6—Towniey 13 9—Walker's
15 64—Barvanworth West Hartley 13 6—Tansield Moor 13 6—Towniey 13 9—Hidds 13—Wharmeline 13 9—Balen Main 14 6—Braddyll's Hetton 15—Bell 14 6—Hotton
16 —Haswell 16—Lambton 16 39—Ramedil's Hetton 15 6—Stewart's 15 6 to 16—Carados
14 9—Cassop 14 5—Edica 13—South Hartleyool 14 6—Trimon 119 —Whitworth 12 3

—Tees 15 9—The Bishop's Tees 15 9—West Comforth 14—West Hetton 14 6—Derwent-water Hartley 14 6—Hartley 13 9—Whitworth Case 20—Ships at market, 132.

WEDNESDAY.—Bate's West Hartley 14—Carr's Hartley 14 6—East Adair's Main 11 6—Hotylem Main 14 3—North Percey Hartley 13 6—Tansield Moor 13 6—Walker's Primayose 11 6—Wylam 13—West Wylam 13 3—Wall's End Brown's Gas 19—Gosforth 14—Heddey 13 6 to 13 9—Hidda 13—Eden Main 14 6 to 14 9—Braddyl's Hetton 16 3—Haswell 16 3—Lyons 14 9—Stewart's 15 9 to 16—Whitwell 13 6—Benson 13 6—Caradoc 14 6—Cassop 14 6—Heagh Hall 14—Trimon 13 6—Whitworth 12 9—Toes 16—West Hetton 14 3—Hartley 73 9—Howard's West Hartley Netherton 14 3—Nixon's Merthyr 20 6—Sidneys' Russing Main 14 6—North Percey Hartley 14 3—Tarsfield Moor 13 6—West Hartley 14 8—Benson 13 6—Benson 15 6—Benson 15 5—East 20 14 8—Bell 15—Hetton 16 6—Haswell 16 6—Hotson 14 5—Benson 14 5—Benson 15 6—Russell's Hetton 16 3—Stewart's 15 6—Shorthon 15 9—Lambton 16 3—Lyons 15 6—Russell's Hetton 16 3—Stewart's 16 6—Shorthon 15 6—West Kepler 15 6—Whitwell 16 0—Trim-don 15 6—West Kepler 15 6—Whitwell 16 0—Trim-don 15 6—West Kepler 15 6—Whitwell 16 0—Caradoc 16 6—Haswell's 16 6—Hotyley 16 16 0—Trim-don 16 3—Eastley 16 0—Caradoc 17 6—Benson 16 6—Semon 15 6—Sewan 16 6—Whitwell 16 0—Asianos's Hartley 14 14 0—Howard's West Hartley Netherton 14 9—Nison's Merthyr 20 6—Sidney's Hartley 14 9—Hidd 14 5—Hidd 14 9—Thorniey 15 6—Tr

#### MINE

SOURTON CONSOLS M
In 5000 shares, not to exceed £1 each (17 required).

CONDUCTED ON THE COST-BOOK SYSTEM.
This MINE is situate in the parish of SOURTON, between Taristock and O the MINE is affinite in the parsist of Schrift Parsisters and at a dues of 1-15th, was, in 1845, taken up by a company-under lesse of 21 years, and at a dues of 1-15th, o worked it for some time; but, from improper management of their affairs, they been involved in debt, and the sett and materials, &c., were recently sold to clear of their remaining liabilities.

and was, in 1846, taxen up by a company management of their affairs, they became involved in debt, and the sett and materials, &c., were recently sold to clear off the then remaining liabilities.

The lede is a regular one, rusning a little north of west and south of east, as is usually the case with the copper veins of the neighbourhood, such as in the Great Wh. Friendship Mine, &c., and is has been cut in a pit on the back, and also in a shaft 10 fathous deep—in each of which is a most hindly gossan, averaging 9 feet wide, and bearing a strong similarity to the gossan of the Devon Great Consols, and spots of copper have been seen in it, but at so shallow a level no discovery of importance dar reasonably be expected. The sett on course of the lode is about a mile in length, and to the west is Wheal Sarah, on the same lode, which produces grey copper ore, mixed with sliver. To the cast, about a mile, the granite commences; and there are other known lodes within the sett, which is altogether an extensive one, and which can easily be rendered more so on very moderate terms, by the indispensable addition of a sett to the north, in close contiguity with it. A reference, however, to Mr. John Hitchina's sutificine report will give a better idea of the sature and capabilities of the sett, and whose recommendations it is proposed to carry out. An engine-shaft has been sunk to a depth of is fathoms, at a distance north; calculated to cut the lode at 35 fathoms deep—the ground being a congental blue killas, of an easy nature for working.

There is a sufficiency of water to work during most of the year; but, in case of necessity, an additional quantity can be brought in from the River Okement, no lease, at is, 6d, per dism, as long as it might be required; and the leats can be cleared up at a triding expense.

The projectors of the proposed company having possessed themselves of the sett, topether with the major part of the menhinery and materials, comprising a new vater-wheel of 40 feet dismeter, and 24 feet in breast, a

to inspect the mine.

As soon as three-quarters of the shares are allotted, a preliminary meeting will be held, for the purpose of settling the rules and appointing a committee of management, as well

As soon as three-quarters or the snates are anotten, a periminary increase, who so seek for the purpose of settling the rules and appointing a committee of management, as well as other necessary agents.

A deposit of 5s, per share will be required to cover the cost of the sett, materials, &c., and to provide a fund for commencing the workings; and for the security of the subscribers, the same is to be paid to the credit of the company, into the bank of Mesars. Gill and Rundle, Tavistock, Devon, whose receipt shall entitle the holder to priority of entry in the cost-book. All surplus shall be returned, and no subscriber's liability shall extend beyond the £1 per share.

Every other particular can be obtained, and a list of the adventurers, together with plans of the mine, seen on application to Mr. George Trickett, sharebroker, Post-office Chambers, Plymouth; Mr. Jehn Bild, Okehampton; and Mr. T. P. Thomas, sharebroker, No. 3, George-yard, Lombard-street, London—to either of whom applications for shares are requested to be made.

Prospectuses may also be had at the office of the Mining Journal, 26, Fleet-street, Plymouth, March 12, 1849.

SOURTON CONSOLS.

Tavistock, March 13, 1849.

Plymouth, March 13, 1849.

SOURTON CONSOLS. Tavistock, March 13, 1849.

SIR, —Having at the desire of several of your shareholders carefully inspected the sel ad workings of this adventure, with a view to submit my report thereon, I beg to state the selection of the selection o

and workings of this adventure, with a view to submit my report thereon, I beg to state as follows:—

1. The back of the lode, as seen in the 'shode shaft sunk thereon, presents the most promising appearance for coppet I have for a very long time seen, being in effect a similar large and kindly gossan to the back of the Devon Great Consols lode, as first discarded in Wheal Maria.

2. The lode is a regular one, from 9 feet upwards wide, running about east and west, and underlying north about 3 feet in a fathom, with good walls, analagous to and parallel with the Wheal Friendship Mine Iode, and is in a congenial killas stratum, bordering on the grantte formation, distant about a mile to the eastward; and copper ore has been met with in the add of the adjoining sets of Wh. Sarah, to the west, on the same vein.

3. There has been considerable useful work done, besides commencing an engine-shaft to take the lode at 35 fathoms below the surface—in my opinion an eligible point—18 finior with the mare a live and young code working order, and of sufficient power to drain the mine to a great depth. Should the preliminary trial I now advise of sinking the shaft to intersect the lode, and driving—ay 30 to 80 fathoms ealow they—are and west thereon, induce a more extended working, this, together with providing the necessary additional materials, as well as to pay the value of the present machinery, can be accomplished for about £2000, and occupy in time about 18 months.

In conclusion, I stremously submit, that on to account should this kindly undertaking be abandoned until the trial I have advised be made—the more especially as so much has already been done, and which, without a further trial, can only be recorded as account and can be accomplished for about the mine advent the read as account and one and west thereof as account and can be accomplished for about the mine and one and wishelp, without a further trial, can only be recorded as account and the mine the surface and the mine the surface.

E2000, and occupy in time about 18 months.

In conclusion, I streamously submit, that on no account should this kindly undertaking the abandoned until the trial I have advised be made—the more especially as so much has itready been done, and which, without a further trial, can only be regarded as monely hown away. I, therefore, hope soon to see a resumption of operations actively carried ut, and I have no doubt but that they will be crowned with success.

I remain, Sir, your most obedient servant,

To G. Marshall, Esq., Plymouth.

WORTHING MINING COMPANY, NEAR ADELAIDE,

ORTHANG ARMANAC COMPANY, NEAR ADEL

[Provisionally Registered, pursuant to 7th and 8th Vic, cap. 110.]

Capital £100,000, in 10,000 shares, of £10 cach.—Deposit £2 per shar

PROVID HALKET, Esq. 19, 38. Heien's-place, Bishopagato-street.

HICHARD HALLETT, jun., Esq., 40, Woodford, Essex.

GEORGE EDMUND HODERINSON, Esq., 74, Cornhill.

FRANCIS PEGI-LER, Esq., 46, Lime-street.

HENRY RENDELL WOTTON, Esq., 32, Fitzroy-square.

HENRY REMOELL WOTTON, Eq., 32, Pitroy-square.

TRUGHARD HALLETT, Jun., Esq.
GEORGE EDMUND HODGKINSON, Esq.
FREDERICK MILDRED, Esq.
AUDITORS—Holm Carter, Esq.; Charman of the Burra Burra Mine; J. Hallett,
Esq., Aron Vale, near Adelaide; A. Hallett, Esq., Worthing, near Adelaide.

BANKERS—Mestre-Masterman, Peters, Mildred, & Co.
SOLICTOR—George Carew, Esq., No. 23, Lincoln s-inn-fields.
SECRETARE—Mil. John Watson.

OFFICE S—No. 76, CORNHILL.
is company is formed for the numbers of working a tract of shout 900 acres of value.

SECREMANT—Mr. John Watson.

OFFICES—No. 76, COR NHILL.

This company is formed for the purpose of working a tract of about 800 acres of valuable mineral land in South Australia, known by the name of Worthing, situate about 16 miles south of the city of Adelaide, directly on the sea coast, with a natural creek, at the entrance of which craft can lode, and only 6 miles from Glenelg, where vessels of large burden discharge their cargoes; ores can, therefore, be shipped at an expense of only a few shiflings per ton, time affording a manifest and most important advantage in the cost of carriage.

Good copper ores having been found on the property, the proprietors were induced to send samples to England, and in 1847 a private association of 10 individuals was formed, who subscribed £1000 for the purpose of proving the mines, with the option of purchasing two-thirds of the property, the proprietors stipulating for a reservation of the remaining one-third. A unining captain, and five working miners were accordingly sent out, and the result was, that within 12 months of their arrival in Australia (and long before the expiration of the time allowed to the promoters to determine as to the purchase of the property, proof having been obtained of the existence of large and well-defined lodes of copper, the promoters decided to complete the purchase occording to the terms of the agreement, and having since arranged for the purchase of the remaining third on advantageous terms, they now propose to form a company for the purpose of working the nalnes effectually, in the fullest confidence that the property will prove very valuable.

It is proposed to create 10,000 shares of £10 each, on 7000 of which a deposit of £2 per share shall be paid on complete registration of the company, there maning third on advantageous terms, they and we have a sout £20 each, on 7000 of which a deposit of £2 per share shall be paid on complete registration of the company, the manner viz.; 1000 to the vendors of the estate, and 2000 of the 10 purchas

forming the company, leave about source warming of an article of any claim for Royalrica to make them remunerative.

The property is an original grant from the Crown, and free of any claim for Royalrica. The property is an original grant from the Crown, and free of any claim for Royalrica. The reports of the mining captain, Mr. John Phillips, will be found explicit in practical detail, and the promotern have reason to believe that they do not at all exceed the real prospects of the mines, of which several competent authorities in the colony have given the most apparatus opinions; and alt. Affect Phillips, the Australian Mining Company's captain, as sees.—"The look at the Worthing is fully equal in alice to any at the keedy Creek" (Ringkillo Mino). On this gentleman's opinion, in addition to that of their own mining captain, the promoters, from their knowledge of his great causton, strict integrity, and practical knowledge, place the utimost reliance.

More than one ton of ore, collected from the different workings, the assays of which yield on an average about 30 per cent. of copper, may be seen at the company's offices, 76, Cornhill, where the mining captain's reports and plans of the property are open for building and agricultural purposes; a considerable portion has been for some years in cultivation, and it has a farm-house and other buildings upon 1s.

With a view to an identify of interests, and in order to render official remuneration contingent on the success of the undertaking, its directors (whose qualification will be the

MONEY.—MESSRS. KILLICK & CO. (late Winstanley, make HMEDIATE ADVANCES, to my amount, on the deposit of English and Federic Relay Share and the public, they make HMMEDIATE ADVANCES, to my amount, on the deposit of English and Federic Relay Share and the second terms.

## The Compendium of British Mining.

OBJUSTICALLY COMPILED AND POBLISHED IN 1843. REVISED, CORRECTED, AND ENLARGED FOR THE "MINING JOURNAL,

BY J. Y. WATSON, ESQ., F.G.S.

EAST WHEAL ROSE LEAD MINE. - Had I at the commencement of this work, placed the mines according to the position in which they stand in regard to profits at the present day, East Rose would have been first in the list; and the reason the account has been so long delayed is, I had hoped to obtain the exact returns of this mine from the purser, but am now informed the labour would be too great to get me what I require; I am, therefore, compelled to give the statistics of the mine from figures obtained when on the spot in 1845, and from published documents since made. The mine is in the parish of Newlyn, and the sett two miles long on the course of the lodes, and one-and-a-half from east to west. Held on lease for 21 years (more than half expired), at 1-15th dues. Lords—C. H. T. Hawkins, Esq., and the Bishopof Exeter. In 129 shares, 500 per share paid. Market value, 650l. E. Michell, Esq., Truro, purser; agent at the mine, Capt. J. Middleton. The mine is situate between two hills, the lodes run ning north and south along the bostom of the valley; the engines (six in number) and the shafts (16 in number) being principally placed on the slope of the hill. Originally worked on east and west lodes, the mine was for years wretchedly poor; and about the year 1830 was about to be abandoned; when on squaring up accounts 200l. were found to remain in hand, and it was resolved (so the story goes) to spend it in driving a croscut, and in a few fathoms a rich lode running north and south was discovered. The original outlay by the shareholders was 50l. per share, or 6400l; and up to 1845 the clear profits divided among the shareholders were about 150,000l. In 1846, the profits were 80,726l; in 1847, 34,560l; in 1848, 25,500l.—making altogether about 250,000l; to yield which upwards of 500,000l. worth of lead must have been returned. During some years the profits were 50,000l per sons. are employed; the monthly cost is about 3000l, and the present profits about 2000l, per month. The deepest level is the 110, and which is said to be looking well. The lode is remarkably soft, and resembles in many places quicksand, and the levels require to be closely boarded up to prevent the lead being washed away. Herein lies the expense and the danger of the mine; the quantity of timber used is emormous, and the expen hoped to obtain the exact returns of this mine from the purser, but am now informed the labour would be too great to get me what I require; I am,

Further north is Metha Mine, still worked by a London Company, who are pretty deeply sinking their shaft and their—money. In 1845 it appeared to me, and I published it at the time, that the East Rose lode did not pass in the direction of Metha.

Beyond Metha is WHEAL ACLAND, a large, and one would think, most romising sett. The operations, however, are very limited; the agents wisely waiting to see the actual run of the lode before going to any large outlay. Whether the lode goes through Metha, Rickard's Ross (a nice little sett), or any other, it must finds its way into Acland.

[To be continued in next week's Bfining Journal.]

## Mining Correspondence.

BRITISH MINES.

BRITISH AINES.

BARRISTOWN.—Capt. T. Angove (March 17) reports—We have cut the slide in the 16 fm. level end east; the lode, in the back of this level, is producing over 1 ton of lead per fm.; west of the slide also, and in the bottom of the level, it is 2 feet wide, and looking well for ore; the lode in the stopes, in the bottom of facilit, is producing about half at on of lead per fm. for 10 or 12 fms. west of the slide. We have hot cut the lode in the said level and driving south; the ground is fand and different from what we have seen to the westward. We have commenced to sink a vilage in the bottom of the 16 fathom level, on the course of the lode, to intersect the slide parallel with the castern fath-role shaft.

the 16 fathom level, on the control to the storm data-ford shaft.

BEDFORD UNITED.—Capt. J. Phillips reports—At When Marquis, in BEDFORD UNITED.—Capt. J. Phillips reports—At When Marquis, in the storm of the storm

BEDFORD UNITED.—Capt. J. Phillips report \* ... T. Wheal Macquis in the 103 fm. level south, we have just first exected the fode, which is about 18 in. wide, composed of spar and mundic, and presents a more kindly appearance than wheat first cut in the 80 and 90 fm. levels; the lode has been cut into for about 18 in., wiftout reaching the north wall in the 90 fm. level east, and is producing saving work; in the winze in this level the lode is without alteration—being still worth from 70t, to 80t. per fm. We continue to drive by the side of the lode in the 10 fm. level east.

CARWINNING HILL.—The agent (March 23) reports—The mine is much and south cross-cut, and on driving a foot further, the lode increased from 1 inch to 18 foot, composed of spar, mundic, flookan, internized with copper ore.

CWM ERFIN.—Captains A Francis and S. Nicholle (March 17) report—Our 20 fm. level east is improving, and is opening orey ground. The stope belind this end is still yielding from 10 to 12 cwiss of ore per fm. The rise over the 20 fm. level west to looking much better than we ever saw it before, and we have sunk under the 10 fm. level to communicate to it: there is also a good lode, yielding for the 12 ft. long 4 tsus of level to communicate to it: there is also a good lode, yielding for the 12 ft. long 4 tsus of level to communicate to the whim-shaft, and to fork the water. In fix depth, the stope west of the whim-shaft, and to fork the water. Mr. Evans will send, of the samples to the different buyers, as directed, this day. Our 30 fm. level ceast seems to be in a good settled 16de; we have confidence that it will contain cory for some finisher and the supplementation of the water. After the water and the will be and the will send the will send the supplementation of the first buyers, as directed, this day. Our 30 fm. level ceast seems to be in a good settled 16de; we have confidence that it will contain cory for some finisher and the process of the water and the well and the process of the water and the water and the proces

be in a good settled lode; we have confidence that it will continue orey for some first.

DEVON AND COURTEMAY.—Captain N. Seccombe (March 20) reports. The end driving west, in the 40 fm. level, continues about 30 in. wide, producing mind and spar, and some stones of fore. In the end driving north on the cross-course, in all level, there is no lode yet discovered. In the end driving east, in the 50 fm. level, the lode is 2 ft. wide, composed of mindle, capel, and spar, and spotted with ore. In it rise in the back of this level the lode is 3 ft. wide, a part of which is good saving worked the control of the level.

Fielding 2 tons of ore per fin.

EAST CROWNDALE.—Capt. S. Pauli (March 17) reports—The ground in Diamond's engine-shaft still continues favourable for sinking; it is composed of a close blue killas. The shaft is now down 7 fins, below the 17 fm, level. Thomas's lode, in the did level west, still continues to improve; it is composed of peach, prian, spar, mustic, and tin, worth 40% per fm. I confidently look forward to a steady increase in the value of the lode in this level, does not look quite so good, the lode leaving been algering the stope, in the back of this level, does not look quite so good, the lode leaving been algering the stope, in the back of this level, does not look quite so good, the lode leaving been algering the stope, in the back of this level, does not look quite so good, the lode leaving been algering that the Tables along the stope of the stope, and the produces about 30% worth of tin per fm., and is composed of peach, prian; spar, muntic, and tim. Pauli's alongs, to the east, are improving, the stopes having just reached the run of tin ground. We are carrying about 4 ft. of the lode, composed of peach, muraic, spar, and tin, worth about 10k, per fm. Our engine, stamps, &c., are all in good working condition. We have again resumed sinking Thomas's shaft, in favourable ground, and, should the dry weather continue, shall succeed in holing it to the adit level.

HOLMBUSH:—Capt. W. Lean (March 20) reports—We have got through

ahould the dry weather continue, shall succeed in noting it to the sure ivers.

HOLMBUSH.—Capt. W. Lean (March 20) reports—We have got through
the great roos-course, in the 132 fm; sevel, west of the diagonal shaft, and have commenced
driving north to cut the lode; the ground it most seventible, being set at 54, per, fm; sand
we hope to meet with a productive lode when we got under the pitch now wrought, on,
about 54 fairforms below the 126, by eight med, at 5s. in II, which is a fair tribute. The
camping in the 120 fm; fewel cross-cut wouth, east of Hitchiers's shift, is "awourable," and

27

branch, is worth 401, per fm. The stopes is the back of this level are worth, on an average, 281, per fm. The lode in the 50 cast, on Cock's branch, is 3 ft. wide, worth 181, per fm. The lode in the winner sinking below the 50, on Cock's branch, is 1 ft. wide, worth 181, per fm. If the 50 week, on south branch, the lode is 6 in. wide, with some apots of tim. The lode in the winner sinking below the 50, on south branch, is 1 ft. wide, worth 101, per fm. The stopes in the back of the 20 are yielding fair quality work. The lode in the 30 week, on south branch, is 9 in. wide, driving at 12s, tribute.

\*\*GOLITH\*\* WHE AL TOPEL AWAY.

of this and in first in I had nnow I am,

n the H. T. paid. mine, e run

o be

e, or up d at

l in ield

ne. ose, rty, ast

nte

41

south branch, is 9 in. wide, driving at 12s. tribute. The south lode in the 10 east is 1 ft. wide, driving at 12s. tribute.

SOUTH WHEAL TRELAWNY.—Capt. W. Jenkin (March 19) reports—The lode in the 30 fm, level north is from 2 to 3 ft. wide, with two regular walls, with a moderate, underlie east, composed of a larger quantity of fluor-pair than ever I say before, also rich spots of copper ore, mundic, killas, and sprigs of lead—ground favourable, I also think the lode is showing a better character; we have also driven a cross-cuit west, on the same level, but have not intersected any lode or branch since last reported.

TRELEIGH CONSOLS—Capt. W. Symons (March 17) reports—Garden's shaft, below the 113; is sinking in the country. In the 113 fm, level, west of ditto, the lode is 3 bin, wide, bit not much more. In the 80, west of ditto, cross-cutting to a north part of the lode, whick we daily expect to cut. In the 60, west of ditto, the lode is 3 ff. wide, but not much more. In the 30, west of ditto, the lode is 3 ff. wide, but not much mire. In the 20, east of Wheal Parent, the lode is 18 in. wide, if contains apar and capels, with but little ore; in the 20, west of ditto, the lode is 3 file, wide, but north part of the lode, which, the souths below the adil; the lode is 10 in. wide, of spar and mundic. In the rise above the adil we have treen 3 fms., and suspended it, set on tribute at los. in 1.

WEST WHEAL JEWEL.—Capts. R. Johns and T. Bray (March 19) report—In the 70 fm. level, west of William's cross-course, on the same lode, the lode is 4 fm. level, west of William's cross-course, on the same lode, the lode is 4 fm. west of ditto, the lode is producing stones of ore. In the 57 fm. level, west of ditto, on the same lode, the lode is worth 64, per fm. In the deep adit, west of William's cross-course, on the same lode, the lode is worth 64, per fm. It he deep adit, west of William's cross-course, on the same lode, the lode is worth 64, per fm. It he deep adit, west of William's cross-course, on the same lode,

wheal Mary Ann.—Captain P. Clymo, jun. (March 19) reports—The lode in the 50 fm, level, south of Barratt's shaft, is 5 ft. wide, and worth 101, per fm. The lode in the 40 fm. level, south of this shaft, is 2 ft. wide, and worth 61, per fm., the stopes in the back of this level are yielding a fair quantity of ore. Pollard's shaft is 18 in; wide, composed of can and good stones of lead; in the same level morth it is 1 ft. wide, and worth 50, per fm; the stopes in the back of this level are hooking very well, preducing half a ton of lead per fm. The lode in the 30 fm. level, south of the shaft, is 4 ft. wide, and worth 85, per fm; the stopes in the back of this level are hooking very well, preducing half a ton of lead per fm. The lode in the 30 fm. level, south of shaft, is 4 ft. wide; and worth 85 per fm; the stopes in the back of this level are hooking very well. The lode in the 15 fm. level, south of shaft, is 6 in. wide, composed of can and lead.

WHEAL TREMAYNE—Capts. J. Phillips and W. Blewett (March 9) report.—The 70 fm. level cross-cut, driving south to intersect the south lode, is driven about 34 fms., ground still favourable for driving: we hope to reach this point some time in April, if the ground confinues the same as it is at present; in the 70 fm. level, east of Alexander's shaft, on Wallie's lode, the lode is 18 in wide, producing moderate work for in and fine stones of grey copper ore, and opening moderate tribute ground. We have

m April, if the ground continues the same as it is at present; in the 70 fm. level, east of Alexander's shaft, on Walla's lode, the lode is 18 in wide, producing moderate work for the and fine stones of grey copper are, and opening moderate tribute ground. We have commenced tanking a winze from the 60 fm. level, in order to prove this piece of ground, and for the purpose of ventilating the 70 fm. level; we have a piece of ground here, 12 fms. In height, and from 30 to 40 fms. in length, which we hope will turn out a great quantity of the and copper one. The 53 fm. level, west of the new shaft, on the engine lode, is driven about 20 fms.; the lode is at present disordered by a cross-course and small flookan, therefore, we have not yet seen the lode to the west of it; we have set the back of this level to stope at 2s. 6d. in 20s. and 13s. per fm. In the 45 fm. level, west of the new shaft, the lode is 18 in. wide, and worth 15t, per fm. for tin. We have two winzes sinking in the bottom of the 45 fm. level, evel of the new shaft, on the engine lode; the lode is 16 in. wide, and worth 10t, per fm. for tin, the western winze is about 17 fms. west of this drin, level, evel of the new shaft, and its ending the shaft of the section of the 45 fm. level, evel of the new shaft, on the engine lode; the lode is 16 in. wide in each winze, and worth 10t, per fm. for tin, the western winze is about 17 fms. west of the 36 fm. level, evel of the ground. In the 30 fm. level, west of Whe all Margaret shaft, the lode is 10 inches wide, at present poor; this level is driven about 24 fms. west of the said shaft; we are expecting to find a small flookan to cross-cut on, the see if we can find any slotter lode than we have at present, Wheal Margaret shaft is sank under the 30 fm. level about 4 fms. 3 ft., the ground is more favourable for sinking than it has been, and there is a part of the lode come into the shaft. We are preparing the reds, &c., as fast as possible. The ends at Maddren's shaft are poor.

the shaft. We are preparing the rods, &c., as fast as possible. The ends at Maddren's shaft are poor.

WHEAL TRELAWNY.—Capt. J. Bryant (March 20) reports.—The ground in sinking Phillips shaft inder the 72 is still favourable. The lode in the 72 end south is 2) ft. wide, composed of spar, can, mundle, and lead, and will produce one-third of a ton per fin; the lode in the rise in the back of this level is 3 ft. wide, composed of spar, can, and lead, are will produce one-third of a row wide, producing 12 evits of lead per fin. The lode in the 62 and north is still large, producing half a ton of ore per fin. Since my last the ore course in this back of this level is 3 ft. wide, producing half a ton of ore per fin. Since my last the ore course in this end has formed itself into two parts, which accounts for its not being so good; however, I judge they will be together again in a short distance driving, where I expect an improvement; the lode in the such end, in this level, is 3 ft. wide, producing one-third of a ton per fin.; the lode in the winze sinking under this level is worth two-thirds of a ton per fin.; the stopes in the back of this level are yielding a fair quantity of ore. There is no chaing of fin the lovel, and in the 42 fm. level, are producing a moderate quantity of ore. At the north mine, Smith's shaft is sunk I fins. I ft. under the 30 fm. level—the ground is avourable for sinking, and the lode will produce at present about 5 cwts. of ore per fin. We have driven the 30 end north of ms. beyond the small cross-course referred to in my last, and find there is no lode in the end. Judging from the water coming from the eastern side, and other indications, we consider the lode to be hove east, and have put the mem to drive in that direction, and hope to be able to report on it next week. We sampled on Friday a parcel of ore computed 104 tons, which is for sales on the 25th lost.

ALTEN MINES.—Mining Report, from the 6th to the 19th of February.

Rapias.—The general appearance of the lodes at this mine has latterly shown signs of improvement, and the quality of the produce is rather better than we had anticipated. The 19 fm. workings, on Labouchere's, are yielding remunerative returns, with very flattering prospects. The level from Monk's shaft has been holed with these workings, and we shall immediately commance preparations for forther exploring the lode at the 16. The other workings continus as less reported, with the exception of Monk's shaft, where the ground is somewhat harder than formerly. Labouchere's is not yet intersected in the 20 fm: erass-out, but the general appear-noe of the ground is still very favourable. We continue making returns to the smelling house, and the result of our last delivery has proved, very satisfactory.

tinuse making returns in the smelting house, and the result of our lass delivery has proved very satisfactory.

Thirds dimes.—The returns are satisfactory, and without any change in the prospects. Ward's lode is still productive, whilst the produce from Woodfall's is equally good, and at Hoskins's the tributer continues to return a small quantity of good ore.

Old Mins.—The tribute operations at this mine continue to give very favourable results, and the prospects, during the past month, have materially improved. In the course of next week was hope to sain through the lode in the centre of the mine, where we also expect to find some reserves of orey ground.

Hyper's.—The warkings at this place are at present very confined, and the produce continues trifling. We do not expect any alteration will be found before the surface operations can be resumed in the enabling summer.

Manour's.—No further happrovement can be noted; the tribute pitches are generally poor, and, under present circumstances, we can accarely spitchate any increase in the produce.

produces.—An improvement has taken place in the stope above the adit level. The prespects are generally good, and the returns have equalled our expectations.

\*\*Carl Values's.\*\*—The lode in the sink is still regular, and about 2 to 2 ft..wide, with a kindly appearance, but containing less one than formerly. On the whole, the prospects are rather less promising than when last reported.

\*\*Quantity\*\*—Shortly after my last report, the one in the only workings at present prosecuted here again disappeared, and we do not consider it advisable to resume operations before the summer, when they can be carried on at less expense.

The returns have exceeded our expectations, both in quantity and quality; the accompanying delivery note contains 304 tons of one, with upwards of 21 tons of copper.

pasying delivery note contains 304 tons of ore, with upwards of 21 tons of copper, IMPERIAL BRAZILIAN MINES.—Bananal, Jan. 3.—I am sorry to hav the usual notice only to give of Gongo, where we are coming gradually to a close. A Bananal our cross-cuts, westward at the notice level from Wray's and Goldemid's shaft are still in progress, but the rock in both 4s much as usual. We are fixing the 20-inel plunger lift at Walker's shaft, to the 7 ton, level, and it will work in two or three day which this work has been in hand, the engine has been necessarily idle occasionally, an at such times the waits has entered Thomas's shaft, through the 2 to. level, and thus on operations there have also been related for the most part these have consisted of removing unproductive rock near the vela, and securing the sides of the shaft with timber. The vela, in the deepest part, seems at present split into two branches, sold is sparing! The visible there, but on the whole it is poor. We have obtained some inferior work from vela between Thomas's and Walker's shafts, in the back of the adit level, and traces of the same vola, which afford sight eamples of gold, occur in Thomas's shaft, on which we have commenced driving northward, in the ? fm. level. We continue cross-cutting the jace diags, westward from Hollingsworth's shaft, in the hallow allie Vele, but it gressents as commenced driving northward, in he 7 fm. level. We continue cross-cutting the settings, westward from Hollingsworth's shaft, in the shallow adis level, but if presents withing requiring remark. In the adit level we have commenced sucking on the vein has age to a gold some months age; a few hatcaps of their for work have been obtained they but the vein and the rock near it are by no means promising in their appearance. The fin-says is now some one than a fine and least near the continue of the continue of

wide, and has rather a favourable appearance, though hitherte we have obtained but slight samples of gold, and these occasionally only. We purpose rising on this lovel to the aff, in order to see whether the gold found in the back thereof continues dewnward also. We are sinking on the big pump vein, but its produce is now very triffing; the vein titled its amail, and the rock near it careedingly hard. Between Thomay's and Hollingsworth's shaft there is a remarkable change of ground; the rock near it can deviate the rock near the former being very large in its structure, composed wholly of fron, and its inclination being sastward; whits at the latter its ingredients are iron, with abundance of quarts, its structure very fissife, and its lamination inclines to the west. We have commenced a cross-cut west-ward from Hollingsworth's shaft, at the shallow adit, and have penetrated about 1 fms. of quartzee iron slate; a few veins of quarts have been seen, and we have found a few small particles of gold in them occasionally. "As our deep adit was driven southward, the strata made a remarkable flexure towards the seas. All traces of the veins having for some fathoms disappeared, we have therefore, discontinued the actualion of the level, and have commenced rising on the last traces of the veins which are unexplored between this spot and the surface. We have driven several fathoms both north and southward from the winze, between the adit and the 7 fm. level, and have made a cross-cut shoat of fms. cest; a come portion of this ground afford selight samples of gold, and as it is is soft and conveniently situated, we shall remove it for the stamps; generally speaking, however, satisfied ourselves that nothing worthy of notice existed there, we have resumed the extension of the level:

In addition to these works, we purpose sinking believe that nothing worthy of notice existed there, we have resumed the extension of the level:

In addition to these works, we purpose sinking believe that in othing worthy and the water made in

Per ship to Liverpool, received 21st March.
From Gongo.
From Bananal.
January 3 to 22 ......Lbs. 10 9 0 0 .....Lbs. 10 0 0 .....Lbs. 15

[From the Pigmouth Journal.]

[From the Pigmouth Journal.]

WHEAL FRANCO.—The winze under the 42 does not improve as fast as was expected, still it improves; the winze under the 47 is good; the 47 end is still poor; the 62 end a little improved. The mine has about 400f. in hand, and will be, from April, making full 100f. per month profit—there is a good lode going down in the eastern part of the mine. Sr. Blast Cossous.—This promising mine is again at work.

EAST COSNOUS.—The IRX Hill folde is good. A is reported (perhaps hoped) that the sinking on another lode in which so much ore has been returned in Gunnis Lake, Empany, Liscombe, Creber, and Crowndale, will be shortly resumed.

TAVISTOCK COSSOUS.—The leader of mundie still continues; the branch of soft spar, prian, and ore, has increased from 2 to 8 in. wide.

BIRGLY TON.—There is no alteration since our last.

WHEAL ANDEXION.—The finance committee have made up their accounts, and are highly pleased at the result. The lode in the 70 and 80 fm. levels is good, and that in the 90 is far better than at the point above in the 80 fm. level. About 15 tons of prime ore have been sampled.

PLYMOUTH WHEAL YEOLAND.—The lode above the 34 has not been only but the water.

he 90 is far better than at the point above in the 80 fm. level. About 15 tons or prime re have been sampled.

PATROCTH WHEAL YSOLAND.—The lode above the 34 has not been cut, but the water setill stronger from the north. The tode in the diagonal shaft has not been met with. New south lode: This lode has for some weeks produced but little tin, but during the ast week it has very considerably improved.

PLYMOCTH WHEAL YSOLAND LAST.—The shaft progresses favourably.

HEKONSTON DOWN.—The lode is very promising, but miners doubt whether it will ultimately be a fin or copper mine.

WHEAL CALSTOCK:—There is little chattge since our last.

#### ACCIDENTS.

ACCIDENTS.

Cleator Iron-Works, Cumberland.—As Mr. John Selkirk, the joiner, was pulting a large wheel into order, he by some means got into contact with it while revolving, when his head was almost immediately severed from his body, and the body itself was dreadfully mangled. Cytartha.—On Saturday last, Thomas Davies, a patchman, was killed by a fail of earth. He has left a wife and child to lament his loss.

Douclais.—R. Jones, collier, aged 19, died on Wednesday week, in consequence of injuries he received from an explosion of fire-damp, on the 23d of February last.

Spital Tongues Colliery, Neucastle.—Raiph Clark was severely injured, in consequence of a large piece of coal falling upon him; he died a short time afterwards.

Rough Hills Colliery, Dudley.—A large quantity of easl fell from the roof of a pit at this colliery, upon the right side of Henry Hughes; the coal was removed as quickly as possible, and he was taken to the South Staffordshire Hospital, when it was ascertained that his right high was fractured in two places, and that he was removed as quickly as possible, and he was taken to the South Staffordshire Hospital, when it was ascertained that his right high was fractured in two places, and that he was also authors for missue before the eacdent, and thinking all was right did not consider it accessary to use any of the timber provided for propping; but if has since been ascertained that diere was a voin running through the coal which was imperceptible to the dye.—Wolveriampion Chronicle.

Accident by Falling Down a Pit.—A young woman, named Zophra Wood, while engaged at her work, landing a skip on the pit bank at Clotlery, at the Leiph, Briefley Hill, her foot slipped, and she was precipitated to the bottom of the shaft. Fortunately, however, she escaped without very serious injury, although the pit is about 39 ft. in depth. Asylui Death.—The occurrence of a shocking and fatal accident was discovered at one of the pits of the Putth Colliery, west From which, under the following circumstances:

STRUVE'S PATENT MINE VENTILATOR.—The machine erected at the Eaglesbush Colliery, near Neath, continues to work very satisfactorily. It has recently been inspected by several proprietors and managers of coal mines, who have expressed themselves highly satisfied and much pleased with its operations

PREVENTION OF STEAM-BOILER EXPLOSIONS.—With a view to the prevention of steam boiler explosions, Mr. James Whitworth, of Dewabury-road, Leeds, has forwarded the following suggestions:—"Every boiler should have an alarm guard, made in the following, way: have a small cylinder of brass (say, 6 in. long by 2 in. bore) fixed upon the boiler, and the piston weighted a little more than the safety-valve. Attached to the piston-rod should be the handle of a steam whistle, such as is used for locomotive engines. When she steam in the boiler gets too high, and cannot escape by the safety-valve, the piston in the cylinder will rise up, and open the whistle, which will be heard over the whole works, and the engineer's attention called to the steam. Four cases out of six of boilers bursting are occasioned by the firemen letting the water in the boiler get below the top of the flues, and then admitting a quantity of almost cold water into the boiler, which necessarily creates a sudden pressure, and often bursts it. This might be prevented by having a steam whistle attached to the float-chain."

ANTHRACITE COAL AT WASHINGTON.—I got a fire lighted in my room, and went immediately to bed. I slept uncomfortable, and woke about 10 next morning, feverish and unrefreshed. Before recovering complete consciousness, I lay for some time in a state of semi-stupor, with my eyes half open, and riveted upon what appeared to me to be some huge glowing object, which pained them, but which is the same time had such a sequential point its class metalen. but the vein and the rock near it are by no means promising in their appearance. They find the wine and the rock near it are by no means promising in their appearance. They find the sum of the spot last uncutioned, but notified amples mentioned inny previous respects have yet, been found there; the vein at the acutary in the sum of the spot last uncutioned, but notified and and gravel brought from it, to startly observes whether all the small; they are the same time, had, such a fascination about it as kept my look amples mentioned in the level has now a very anneying character, and we have, therefore, commenced a cross-cut terion it, to startly observes whether all the small vein visible in the same time, had, such a fascination about it as kept my look and gravel brought from the jacoting, in the Paracatu Mountain, by the rains, and and gravel brought from the jacoting, in the Paracatu Mountain, by the rains.

Jan. 13. —The heavy rains have set in with great severity, but they have hithere done to no harm. At this place our 20-in, plunger-lift was got to work in Walker's shaft on the other of the mine is now drained, and we are preparing to extend a cross-cut weake, it turned out to be neither more nor due tive sant of Thomsa's shaft between 2 and 3 ft., but have not loneled the vein since my last. For seven the saft in the lone, weaken the addit and the 7 fin. level, we of Hollingsworth's shaft, has been opened, but I ament to add the vein, in every part of the same yeary poor. We continue to prosecute all the other works detailed in my last respects. The little old water wheel which worked the stamps has been so often ropaired, that it is at length in possible to patch it again. We are, therefore, fixing a now ring and brackets, and hope to set the course of the prosecute and engineering the provided in this same to the course of the course of the prosecute and engineering the provided in this same to the course of the engine month. At this place our westerly and provided in this law to the course of the en

SOUTH DEVON RAILWAY.—The permanent way from the Laira station to Plymouth has been completed, and on Monday morning the first experimental trip was made. The engine and tender arrived at the Plymouth attion abortly before the cloud, amid the cheers of the by-standers. It has been arranged to open for public traffic the railway to Plymouth on the 2d of April.

THE WORTHING MINING COMPANY.—This company has been formed by some capitalists in London, for the purpose of working a tract of about 800 acres of of the city of Adelaide, in South Australia. It being directly on the coast, with a natural creek, and within aix miles of Glenelg, a sea port, ores can be shipped, and the coast for carriage be greatly reduced, as ompared with those from mines more inland. It appears that the proprietors of the land having discovered some good copper ores, were induced to forward several samples to England, when a party of 10 subscribed 1000 to prove the mines, with the option of purchasing two-thirds of the land; and a captain and five miner having been sent out, and proof having been obtained of the existence of regular and valuable lodes of copper ore, within 12 months the whole of the 800 acres has been purchased on advantageous terms. More than a ton of ore, collected from the different trials, seasying, on an average, about 30 per cent, may be seen at the offices, with the plans, reports, &c. The land, from its vicinity to the capital, will increase in value for agricultural purposes; a large portion has been some years under cultivation, and there is a farmhouse, and other buildings, upon it; it is, therefore, proposed to raise 10,000 shares, of 10.1 cach, on 7000 of which a deposit of 22, per share is to be paid. The remaining 3006 of are to be appropriated—1000 to the vendors of the estate, and 2000 to the proving the ground—these shares to be considered as having 22, paid on them. After purchasing the property, with expenses of proving it, and cost of forming the company, there will remain about 5000, working capital, and it is expected that will be sufficient to render them remunerative. The affairs of the company to be conducted by not less than five, or more than ten, directors, each holding 100 shares, and aided by agents in Adelaide, under a deed of settlement, registered according to the provisions of the Joint Stock Companies Act.

Sourron Consols.—A lease of this se

ench holding 100 shares, and aided by agents in Adelaide, under a deed of settlement, registered according to the provisions of the Joint. Stock Companies Act.

Sourron Consols.—A lease of this sett, which is situate in the parish of Sourton, between Tavistock and Okehampton, was taken up in 1845, under lease of 21 years, at 1-15th dues. The lode takes its course a little north of west and south of east, as is usually the case with the copper veins of the neighbourhood—such as in the Great Wheal Friendship Mine, &c.—and has been seen in the backs and slao in a shaft 10 fms. from surface, with a most kindly gossam, 9 ft. wide, and spots of ore; but at a shallow level. The sett is about a mile in length on the course of the lode; the granite commences about a mile to the east. An engine-shaft has been sunk to a depth of 18 fms., which will take the lode at 35 fms.; the ground is a blue killas. There is an ample supply of water during the greater part of the year; and an additional quantity can be brought in at about 25t, per annum—the leats being capable of being cleared at a trifling expense. The sett having been secured, together with machinery aind materials, comprising a new water-wheel of 40 ft. diameter, 25 ft. breast, surface iron rods, 2 in. diameter, pulleys and stands, travelling balance and shaft bobs, whim and poppet heads, trangle, &c., 14 fms. of 8 in. pumps and 7 in. workings, with windbore and clack-door pieces complete, valued at 625t.—a sum far below the cost. We are well pleased with the prospectus submitted, as contrasted with those which too frequently appear—insamuch that the amount demanded for the sett, including the machinery appears to be even less than its stated value—at the same time, no bonus or premium is asked. Considerable work appears to have been done at surface, and also in sinking the shaft to a depth of 18 fathoms. The absence of steumpower is much in favour of the mine, as reducing the monthly cost, which, it appears, can be worked with the water-wheel (40 ft.) creeted. The

be worked with spirit, and, doubtless, realise the sanguine expectations entertained by the present body of adventurers.

Improvement in the Mining Districts of Cornwall.—We have the satisfaction of stating, that the recent advance in the prices of fin and copper, and the rising of the standard, have had the effect of greatly improving the mining prospects throughout the county, and in no district has it been more experienced than in that of Redruth. A gentleman residing in that town has informed us that there is a great "improvement in the times" in Redruth, Gwennap, Illogan, &c., and that the speculating inhabitants are at length led to look forward with much confidence to a speedy restoration of that prosperity which was formerly experienced when the numerous mines payed such dividends as induced parties to speculate in that branch of commerce, which is so indispensable to that extensive mineral locality. We have before stated, that the mines in St. Just had also very materially benefitted by the improvements mentioned—Balleswidden, Spearn Moor, each of which gave a good dividend at their last account, as also did St. Ives Consols; and we understand that the prospects of the mines in the eastern district of the county are likewise more encouraging than they have been for a long time past. We have heard of "better times are coming, boys," for a considerable period; but the public having waited so long in vain for their arrival, were almost constrained to look upon the prognostication as a kind of "forlorn hope." Patience, however, is a virtue; and we trust that the praiseworthy manner in which the labouring classes have exercised that attribute will shortly be amply rewarded by full employment and good wages. If the mining interests flourish, the inhabitants of Cornwall generally will immediately experience its beneficial results, and the conduct alluded to will impart a degree of confidence in the mining of capitalists that will induce them to enter into mining, speculations; and with a continuance, at least

### SMELTERS AND MINERS.

sment of commercial prosperity. — Perisance Journal.

SMECTERS AND MINERS.

FOUR ENTIRE NOTION OF THE MINERS ORBANAL.

SIR.—Believing you to be ever anxious in promoting the interest of the miner, I have taken the liberty of addressing them this letter, which will belt an answer the ends intended by being allowed a space in your columns. Seeing the great depression which the miner is often subjected to by the sadden, and if the standard of copper ores and other nettals, it becomes a question whether some plan cannot be devised whereby the remedy the evil; sind, as much has been said on this subject by abler pens than mine, perhaps it may be considered rather inconsistent in the attempting to throw any additional light on this point. However, I will endeavour to show the miner that his interest is best consulted, when a sudden fall in the standard of copper takes place, by at once withdrawing his ores from the ticketings, and allowing them to remain on the mines, until a fair price is given for them. This should be done, and if he wishes to make his usual dividends, there is no better capital. To represent than 2000 or 3000 tons of valuable copper ores on whick to borrow money for that purpose, until a fair the space of 12 months, the demand exceeds the supply of copper. This has been proved for the last 20 years; there is no fear, therefore, of the uniner (by withdrawing it) not having a fair price for his copper. To show you that I am correct in my astenents, it will quade some afrecustance which is now bringing to a close. I find that you published, in your valuable, of course, purphased at the above rates, and some of them sold their copper at a corresponding price; but of the price continued so, will the varieties of the price continued so, will the varieties of the price continued so, will the varieties of the price to the seed of the price continued so, will the varieties of the price continued so, will the varieties of the price continued so, will the varieties of the price continued so, will the price c

RAST WHEAL CROFTS.—At the meeting of adventurers on Tuesday, the 20th inst., the following statement of accounts was allowed:—To cost for Jan. and February, 2782L 3s. 11d.—By ores sold, February 1st, (less dues, 1-40th, 76L 19s. 2d.), 2001l. 12s. 7d.; by discount on Nov. and Due. bills, 16d, 7s.; income tax on dues, 11. 18s. 1d.—3019t. 17s. 8d.—showing profit of 287L 18s. 9d.; add in hand to end of Dec., 1840t. is. 5d.: leaves balance in hand, 2127L 15s. 1d.

LANARTH.—A meeting of adventurers was held on Monday last, when the accounts for four months ending Fabruary were passed as follow, and a call of 11 per share was made, for liquidating the balance and the further prosecution of the mine:—To balance from last account, 801. 4s. 3d.; costs, &c., 3691. 10s. 7d. = 4491. 14s. 10d.—By call made in Dec., 8781; ores sold (less dues), 281. 9s. 1d. = 4061. 9s. 1d.—Balance against adventurers, 431. 5s. 3d.

#### EAST BIRCH TOR (TIN) MINING COMPANY.

EAST BIRCH TOR (TIN) MINING COMPANY.

At a general meeting of shareholders, held at the offices, Winchester-buildings, on Thursday, the 22d inst., it was resolved, that the report of the affairs of the company, dasted the 20th of March, and now presented by the secretary, be received and adopted, and that this meeting de hereby recognise and confirm all that has been done in ref erence to this company, as stated in such report. It was also resolved, that the company be forthwith registered and insorporated, pursuant to the provisions of the Act, 7 and 8 Vic, c. 110, and that a Deed of Settlement be forthwit th prepared.

A report was read from Capt. Thomas Moyle, which stated that—

The engine-shaft is now down about 3 fms. under the additional down 10 fms. In five weeks from this time. The lode in the shaft is about 4 ft. wide, worth at present about 40, per fm. We have opened three places in the bottom of the addit, where we find good bunches of tin going down, which we expect to meet with in a short time after we get our shaft down to frive under them. We are now driving cast and weat on a lode to the sorth of the evan course, which has nover been taken any notice of before; each and is worth 50 per fm.; the eastern end we are driving for 21. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22. So, per fm., the weatern end we are driving for 22.

It was proposed by the directors to make a dividend in June next.

#### GREAT POLGOOTH MINING COMPANY.

seting of adventurers was held, at their London offices, 38, New Broad-on Monday, the 19th inst., when the finance committee laid their ac-for the last two months before the adventurers, showing—

Ds Paid in Feb. & March, cost of Dec. and Jan Wages and incident	als	£3090	14	. 7	
Carriage and horse work		234	14	2	
Coals		440	0	0	
- Materials and stores		620	0	0	
Rates, rents, dues, &c		240	0	0	
Total American Section of the Sectio		£4625	8	9	
And the second s	A			-	d

#### TREVISKEY AND BARRIER MINING COMPANY.

TREVISKEY AND BARRIER MINING COMPANY.

At the usual two-monthly meeting of adventurers, held at the mine, on the 19th inst, the accounts were examined and passed, showing—

TREVISKEY.—Amount of ore nold 30th November last, 1985.7 as 9d.; tin, Jan. and Feb., 961.15a, 8d. (less lords' dues, 1691.6a. 8d.) = 18621.16a. 9d.; materials sold, 31f. 17a. 6d.; Barrier adventurers for materials, 9f. 6a. 5d.=
1904.0a. 8d.— By labour cost, Dec. and Jan., 744.9a. 2d.; tribute, 2701.3b. 10d.; merchants' bills, 313f. 10a. 10d.; Tresavean adventurers' engine cost, 50f. 4a. 1d.; leaving profit of 525f. 12a. 9d., from which deduct balance due to purser hast account, 63f.7a. 8d., leaves a balance in favour of adventurers of 492f. 5a. 1d.; from which deduct dividend, 4f. per share, 480f.—leaving in hand, 12f. 5a. 1d.—

March 19.—In Michael's shaft, sinking 3 fins. below the 260 fm. level, the lose is 2 ft., wide, containing stones of ore. In the 260 fm. level, driving 14 fms. east of Michael's shaft, the lode is 18 in. wide, and at present unproductive. In the 145 fm. level, driving 43 fms. east of Michael's shaft, the lode is 26 m. wide, the lode is 2 ft. wide, yielding 2 tons of ore per fm. In the 236 fm. level, driving is killas 28 fms. east of the shaft, the lode is 20 in. wide, yielding 2 tons of ore per fm. In the 236 fm. level, driving in killas 28 fms. east of the shaft, the lode is 20 in. wide, yielding 2 tons of ore per fm. In the 236 fm. level, driving in killas 28 fms. east of the shaft, the lode is 20 in. wide, yielding 2 tons of ore per fm. It williams's old sump we have insuranced the north lode in the 40 fm. level.—this lode is 18 in. wide, and at present as maproductive; we are driving the 40 south to cut the south lodes. On Wednesday last, we sampled 416 tons of good ore, and hope to raise 360 tons for March and April.

BARRIER.—Ores sold, Nov. 30, 91. 10s. 11d.; tin, 4l. 12s. 3d. (less lords' dues 11 0s. 2d.) = 13s. 3s.—By labour cost, December and Jannary, 23l. 2s.; tribute, 3l. 19s. 4d. which, deducted from bal

#### WHEAL ANDERTON MINING COMPANY.

WHEAL ANDERTON MINING COMPANY.

At a meeting of adventurers, held at the Bedford Hotel, Tavistock, on Thursday, the 22d inst., the accounts having been examined and passed, it was resolved, that the reports of Capts. Carpenter and Paull, with an alastract of the accounts, be circulated among the shareholders. It was also resolved, that a negotiation be entered into with Mr. Williams, the lessor, with a view of obtaining from him such further extension of the term of lesse as may be considered requisite, and he may be willing to grant; and that Capts. Toby and Carpenter be requested to confer with him on the subject.—Thanks were voted to the chairman and Capt. Carpenter.—The following reports were read:—

March 21.—Capt. Carpenter and my self have carefully examined the mine to-day. I'mld that since my list report the engine-shaft has been smk to the 90 fm. level, and the plat and cross—at to the lode completed, and the end driven cat and west on the course of the lode. The 90 fm. level end east is in about 4 finhous, and showing the lode a little disordered; nevertheless, it is of a promising character, and holding good work for tin; the 50 end west is about 4 fina, on a very large losis, about 9 bet vide, and has touched the same channel of ground referred to in my last report (which inclines downwards the shaft); and here I can de/no other than say, I believe this level is almost lines a rich course of tin; the indications presented induce me to say as, judging by the upper levels—the prism heads, by the cleavage of the strans, and the gazes downwards towards the shaft); and here I can de/no other than say, I believe this level is almost lines a rich course of tin; the indications presented induce me to say as, judging by the upper levels—the prism heads, by the cleavage of the hote is the body of the lode in the base of the lode is not beak of this large lode, and the backs working on ribute; in the present of the red is a some good pitches, producing rich work for tin, with a some good deal of ground left t

March 22.—In presenting you with this report, it affords me pleasure to be such tate, that our fluancial affairs are very much improved to what they were at our needing, as well as an improved prospect in the general appearance of the mine, con this the advanced price in the ore, sold on the 16th inst. I think there is a certal of beneficial results, which would have accrued one this, had not the four properties.

arge, 6 H

MONTREAL MINING COMPANY.

The third annual general meeting of stockholders was held at Montreal on the 21st February last, when the directors report submitted stated that the convulsed state of Europe, and the extensive decline in the copper trade, had been, in one sense, advantageous to mining in Canada, as causing men to emigrate there, who, could they have get a living in England, newer would have gone. This accession of labour had reduced the enormous wages which had been paid since the discovery of the mineral regions of Western Canada. It was also satisfactory to state that, svem at the low price of copper, the ores from the Bruce Mines, belonging to the company, from their superior quality, would yield a handsome resura, and it was fully expected that the Canadian trade would participate in the improvement for some weeks, happily visible hers. The operations of the company during the season had been confined to the Bruce Mines; a steam-engine, for crushing, cleaning ores, and pumping, had been received from Hayle, in Cornwall, in October last—the cost of which, from the depressed state of trade in England, had been less than usually charged. The cost, however, formed a large item in the velarity, which would be musually advantageous.

From the contradictory nature of the reports of Caut. Roberts and Mr. Campbell, the directors had requested a Government survey, and Mr. Logan, the provincial geologist, was dispatched for the purpose; he was secompanied by the president and secretary, who stayed at the mines a week, when, Captain Roberts's previous reports having been hasty and unguarded, he was given notice that his services would not be further required, and he left their service in october last. There was sufficiently one of the amount they were sold for 2916f. The quantity of one expected to be shipped during the ensuing summer was about 600 tons, or a produce of 20 per cent, ja quantity of one expected to be shipped during the ensuing summer was about 600 tons, and a parcel, shipped late in 1847, was

on the lake, secure from all winds, and everything was progressing in a favourable manner,

EAST OF SCOTLAND MALLEABLE IRON COMPANY.—A public meeting of shareholders was held in the Fown-House, Dunfermline, on Thursday fortnight.

—JOHN M DONALD, Eaq., occupied the chair.—The proceedings were of a verytimultuous nature, and a report from Messrs. Christic and Fraser, two of the committee appointed at last meeting, was hid before the meeting, and Mr. Christic said he had declined to subscribe. This report was afterwards read by Mr. Buego, and after a lengthened discussion, it was moved by Mr. Thomas Russell, and seconded by Mr. H. Cadel, that the works be earried on for three months, on the understanding that monthly accounts of the profit and lose be rendered by the managers; and that, in the event of a loss taking place, the directors be empowered to call a general meeting to consider the affairs of the company. An amendment was moved by Mr. Whitelaw, and seconded by Mr. Angus, to the effect shat the meeting instruct the directors to forfait or purchase, at a nominal sum, all shares at the request of those shareholders who have paid 5d, on each share, and to endeavour to raise funds to carry on the company for three months to come, and at the expiry of that period to call a meeting of the shareholders to consider the state of the company's affairs, and to take any measures deemed necessary in the circumstances. When the vote was taken there appeared, for Mr. Einself's motion, 119; and for Mr. Whitelaw's amendment, 135; the amendment was consequently carried. The chairman protested, on the ground that the resolution was lilegal. To this protest Messirs. Russell, Sawers, and Melville adhered. The chairman and directors afterwards tendered their resignation, but, at the request of the meeting, consented to act till the adjourned meeting.

Quence Mining Company.—Captain O. Matthews, the agent to this company at Mica Bay, has traismitted a report of his late proceedings, and of the prospects at his station. He states that he had 1500 tons of ore on the ground, and when the train-road was completed, he could hauf sufficient stuff to keep the stamps going day and night, with half the men now employed. By the lat of August he expects to ship for the United States 100 tons of crushed ore, expected to yield 2500f. Le Mesurier's Mine was down 90 ft., and he expected to commence early in January to cross-cut to the 10de, which he expected to reach with four miners in March, and he expects, during the succeeding season, to raise from 1000f. to 2000f. worth of ore, at a trifling expense; the stuff is acconcentrated that it will not require crushing, but will be shripped as it comes from the mine. The erection of a saw-mill was progressing rapidly and satisfactorily, and the population had reached 129 persons.

Silver par ton of 20 cwts

Goto is France.—In carrying on works for improving the hed of the river at Strasbourg, the engineers of the Ponts et Chaussess, a few days ago, turned up some stones containing marks of metal: An examination having been made by M. Kopp, chemical professor in the Academy, it was found that a piece of freestone contained large increatation of a yellow, ductife metal, which turned out to be measive gold, with a little silver, and some other metal, probably iron or copper. The gold was not in this flakes, like those which gold-seckers find in the sand of the Rhine, but in dense massive bits, and in large quantities in proportion to the quartz.

THE RASLWAY CASUALTY COMPERSATION BILL.—This new feature pusiness of life insurance came on for further consideration before the Imentary Committee, yesterday—Mr. Benjamin Retch, Q.C., Mr. Websi feature in the with the advanced price in the ore, sold on the 16th inst. I thisk there is a certainty of beneficial results, which would have accrued ore this, had not the depression in the metal market taken such effect. On the aggregates, the ores already sold, before the last parcel, did not realise so thuch as it would have accrued ere this, had not the depression in the metal market taken such effect. On the aggregates, the ores already sold, before the last parcel, did not realise so thuch as it would have done, taking a fair average of quantity, price, &c., to the amount af 1684. Making one the accounts to the end of December, 1845, which were examined by the auditors chosen for that purpose, on the 20th, least, and it is not appeared to the value of 2004, more than it was on the 22d November in new machinery, &c. Since the meeting, we have easily so the endine shaft from the 80 to the 50 m, level, and intersected the loads of participal of the permy postage, of a sum adultion to share outs the engine-shaft we form the 19 fm, the state of the loads east, and the engine-shaft we found its width, from the counts of 19 fm, the loads is increased to the value. On extending the south of the scath wall, to be 7 feet, with two vell-defined walls. On extending the morth to the scath wall, to be 7 feet, with two vell-defined walls. On extending the west on its course 19 fm, the loads is increased to 9 fm, wild, composed of spar, prian, capels, and spotted with this and its prevent of the scath wall, to be 7 feet, with two vell-defined walls. On extending the west on its course 19 fm, the next are well as the companies of the calculation of the principle of the scath wall, to be 7 feet, with two vell-defined walls. On extraoding the scath was on the calculation of the loads east, and the scath wall, to be 7 feet, with two vell-defined walls. On extraoding the west on its course 19 fm, the next was the composed of a well-attended to be proved of a small feedag exceed to the price of the first through as a form of the calculation

TO COLLIERY PROPRIETORS

y wind Current of air undeviating. Current of air undeviating. LICENSES will be GRANTED on application to Mr. WILLIAM PRICE STRUYE, C.E., Sw Mr. WILLIAM PRICE STRUYE, C.E., Sw AII. WILLIAM PRICE STRUVE, C.E., S.
The ventilator has been erected at the Eaglesbush Callery, near Neath, succeive efficient, and may be viewed on application to the proprietors, Mesand Evans, Neath.

AMBORNE CONSOLS MINING COMPANY.—NOTICE CAMBORNE CONSOLS MINING COMPANY.—NOTICE
Of CALL.—Notice is hereby given, that the directors have this day resolved that
the subscribers, or shareholders, in this company PAY, and they are horeby required to
pay, on or before the 21st day of April next, into the bank of Mossra. Fraed and Co., 189,
Floet-street, Loudon, a CALL of ONE POUND upone each and every share held by them
is this company; and that, pursuant to Art. 116 of the Company's Deact of Settlement,
all and every share, or shares, upon which the said Call of £1 per share shall not be paid
within 14 days after becoming due, will be subject to absolute forfeiture.
No payment on account of the aforesaid call will be received by the company's bankers
without a special order, which may be obtained on application to the secretary, at the
company's offices, 29, Poultry, with whom the present certificates must be deposited, to
be exclamaged for share certificates of £6 paid.

TUCKER & STEVENSOM.

By order of the board of directors,
Sun Chambers, Threadmodde.street,
Solicitors to the Camborne Consols Mining Company
London, this 19th day of March, 1849.

DIVER FRONTAGE, SWANSEA.—TO BE LET, for such a turn of years as may be agreed upon, SEVERAL ACRES OF GROUND, lying long the navigable part of the SWANSEA RIVER, in the immediate vicinity of the great copper works, and suitable for smalling, or other manufacturing establishments, the land is close to the South Walse Rislaway, and possesses great facilities for delivery coal by this line, as well as by other modes of transit.

Apply to Mr. B. Daniel, surveyor, No. 0, Gardon-stroof, Swansea.

UNDERLAND DOCK COMPANY—TIDAL HARBOUR CONTRACT.—The DIRECTORS of the SUNDBRILAND DOCK COMPANY are prepared to RECEIVE TENDRES for the EXECUTION of the WORKS—comprising the EXCAVATION and MASONEY of the TDAL HARBOUR, or ENTERANGE to be DOCK, from the River Wear.

Plans, sections, and specification of the works, will be ready for inspection of contractors, or the Pock Offices, 12, Sunniside, Sanderland, on and after Priday, the 33d Inst. Scaled tenders, addressed to the direction, requested to be delivered at the Dock Offices, aforemail, on Thursday, the 7th of April Dock, not later than 22 win o'clock in the fortunes. Security will be required for the due performance of the contract.

saled tenders, addressed to the directors, are requested to be denivered as the Local decreased, on thereday, the Wh of April cart, not later than Elevin o'clock in the acon.—Security will be required for the due performance of the contract.

And therefore do not bind themselves to accept the lowest rander; and, further, referr power of rejecting all tenders, if the same be not satisfactory, anderland Dock Offices, March 21, 1849.

SEORGE HUDSON, Chairman.

A FIRST-RATE LOCOMOTIVE ENGINE is now being MADE at SOHO WORKS, SHILDON, near DARLINGTON.—In the construction of this engine, Mr. Timothy Hackworth has made durability and light consumption of fuel his study; and it is generally believed by compotent judges it will be the most exhonomical that has ever been made. The character of the man goes for to prove that the public may justly expect something out of the ordinary way, as he maquestionably has had more experience in the construction of locomotive capitae fulls any man living, sone Cottage, New Shildon, March 77, 1849.

#### THE COPPER TRADE-FOREIGN ORES.

The last sale of copper ores at Swansea, by public cicketting, for the current quarter, having taken place on Thursday last, we take the earliest opportunity of presenting our readers with the usual summary. The total quantity sold in the quarter has been 7993 tons, producing 97 4811. 5a, 6d, being a decrease of 4696 tons, and 70,8981, in comparison with the quarter ending 31st Dec. last; and of 2470 tons, and 51,0211, with that of the corresponding quarter of 1848; the former having been 12,589 tons, and 168,3774, and the latter 10,663 tons, and 148,5021. They were purchased at follows:—

ATTOM BY AND BY	The state of the s	ACCURATE TO A CONTRACT OF THE PARTY OF THE P	TOHA.	Auto	ABL.
English Capper	Company	was held on	473	£ 6,473	8 10
Freeman and C	O		215	3,876	9 6
	ons				
	s, and Co.				
Vivian and So	na kerenepanjeki		2040 4 45	33,976	19 4:
Williams, Fost	er, and Co,		2174	27,061	4 0
Mines Royal .		** ** ** ** ** **	90	1,693	12 10
	Co			9,960	2 0
Smith			40	593	0 0
Lieb A call	DE CARLES MILES	A 20 01 20 20 16	715.13	UC-MAN	-

Total ..... Tons 7893 19 2 497,481 05 6 Of this entire quantity of ores sold at the Swansea ticketings within the narror, the amount of those from foreign mines have been as follows:—

ĺ,	Agethalfar, 48 . Vafratery libert saw unwiferd	Tons.	Amount	33
	Cebre			
	Cuba released distribution of the control of the co			
	Copiapo			
	edeclaring unividend in Jaca pest - At	10000	more gards become	ni
	Total	5954	£85,249 1 · 6	

This shows a decrease in the sale of foreign ores of 4509 tons, and 62,831L, as compared with the previous quarter, which was 10,463 tons, and 148,180L, and from that of the corresponding quarter of 1848, et 1506 tons, and 33,003L, the latter having been 7400 tons, and 128,252L. There is, we are sorry to find, a said falling off in the sale of ores, the produce of Ireland—not giving any very cheering prespects of the mining interests of that unfortunate country—they having only been 1627 tons, producing 11,414L, showing a decrease over the quarter ended 31st December, of 1438 tons, and 7520L, the latter being 3085 tons, and 19,034L, and with the corresponding quarter of 1848, which was 2619 tons, and 18,580L, of 992 tons, and 7166L

GRATIFYING INCREASE IN THE COAL EXPORTS. The official tables furnish the agreeable evidence that the declared value the exports of coal, during the year 1948, amounted to 1,096,356£, being an excess of upwards of 15 per cent. upon the exports of 1847. For the information of our readers, we are enabled, from documents is our possession, to g

16	PROJE OF PHE CO	CITLEG ATIMES OF	cont exper	re tot # mam	DEL OI JES	ta best:
P	1834		104334	dir. K. delle	V.4000 A	675,287
K	1835			10		
-	1537	481,866		844		672,056
10	1836			848		973,635 971,174
-	1840			847		968,509

The ad valorem duty of 10s, per cent, on the expect of coals was rep 1842, and the duty of 2s, per ton by British and reciprocity-qualified and 4s, per ton by unqualified vessels, was abroasted in 1845. The teffects of these was measures of coal-duty abolition, are made as appet the table, that we refrain from even a word of commant—Gaissians.

Discovery of a New Coal Mine in New Sourn Wales.—The Australian Agricultural Company have just received intelligence of the discovery of a new seam of coal of great value on the company hand at Rewesstle, New South Wales. This discovery is the more valuable, as it is apparently anomatic extremity of the company's land to the present coal workings, and is only about 130 fest from the surface; it is estimated that is one square miss there ought to be upwards of 9,000,000 tons of coal, one cabic yard having weighed 19 cwts. 16 lbs.

Coar in Labour.—The last advices amounce that the coal false was 18 full operation. In addition to 1000 tons being stocked, the mine yielded from 200 to 300 monthly.

CONTRACT FOR WRIGH COALS.—The Lords Commissioners of the Admirally have given motice that, on Thursday, the 29th inst., they will receive contracts for the delivery at Deptford of 1200 tone of hand picked Welsh coals; one-third to be delivered May 1, one-third by July 8t, and the remainder by Sept. 8d. Contracts will also be entored into for the several marine bearvacke at Chatham, Portsmouth, and Plymouth, for about 2500 tons.

PEXINSULAR AND OBJENTAL STRAN NAVIOATION COMPARY—The directors have decided to appropriate the profits of the ships Vects, Gauges, and Bonshay, which they have recently sold at prices exceeding the cost, in the shape of a bosus to the proprietors, at the rate of 12 per share of 804. This is over and above the ordinary dividend declared at the last half-yearly meeting, making an addition of 2 per cent, to the last year's dividend, which was at the rate of 8 per cent, per annum.

THARES TUNNEL COMPANY

THARES TUNNEL COMPANY

The number of passengers who passed through the Tunnel in the week ending March 19.

was—No. of passengers, 16,634.—Amount of money, 200 to 24.

CURRENT PRICE OF GOLD AND SILVER.
in bars ... per ex. 23 17 9 | New dollars ... per ex. 40 0 0
Portugal picces ... 0 0 0 | Silver in bars (clandard) ... 0 0 0

EXPORTATION OF THE PRECIOUS METALS.—The following are the futures of the exports of gold and aliver from the poet of London for the fast witness sole to flatform, 10,000 nances; direct to Hoterchan, 4000—604 to Export

### Current Prices of Stocks, Shares, & Metals.

S .

o. or

that h to 189, sem ont, and the to

0 ıy.

h me un of

R

5

STOCK EXCHANGE, Naturday in Bank Stock, 7 per Cent., 199
3 per Cent. Reduced Ann., 91
3 per Cent. Consols Ann., 91
3 per Cent. Consols Ann., 91
4 per Cent. Ann., 92
4 per Cent. Ann., 92
4 per Cent. Consols for Acc. 91
5 per Cent. Consols for Acc. 91
5 Exchequer Bills, 10004.2d. 41 39 41 pm. Belgian, 2½ per Cent., — Dutch, 2½ per Cent., 48½ 8 Brasilian, 5 per Cent., 83 Chilian, 3 per Cent., 83 Chilian, 3 per Cent., 52 Moxican 5 per Cent., 72 Brussian, 5 per Cent., 103 Spanish, 5 per Cent., 45 Ditto 3 per Cent., 304

per Cont. Ann. 92
Long Annullites.—
India Shock, 169 per Cont., 92
1 per Cont. Combo for Ac. 91 8 1 pm.

Maxima. per Cont., 104
2 per Cont. Combo for Ac. 91 8 1 pm.

Maxima. per Cont., 104
2 per Cont. Combo for Ac. 91 8 1 pm.

Maxima. per Cont., 104
2 per Cont. Combo for Ac. 91 8 1 pm.

Maxima. per Cont., 104
2 per Cont. 104
2 per C

in the vessel.

Guadalcanal shares have been in request, and several transactions taken place. We have seen the specimens recently received from the mines, one or two of which were very rich for silver, and we have since learned that, from assays made on two samples, they were found to contain 4880 and 4850 oza.

two of which were very new samples, they were found to contain above an essays made on two samples, they were found to contain above an of silver respectively.

The imperial Brazilian Mining Association received dispatches on Monday and Wednesday lest. The gold returns, from Dec. 23 to Jan. 22 amounts to 8 lbs. 1 oz. 9 dwts.—Bananal returning 10 lbs. 1 oz. 6 dwts., and Gongo Soco 13 lbs. 7 oz. 8 dwts. The total, from July 1 to December 81, appears to be 261 lbs. 7 ozs. 15 dwts.—Letters have also been received from the Alten Mines, which we give in another column.

(KW) 15.7	Lgth.	Present ac-	Price	Div.	Trante	Reture
Names of Rallways.	Rway.	tual cost.	pershare	1848	1849	1846
Belfast and Ballymena	. 371	page in the	20	8 p. c.	£ 482	18 H
Birkenhead, Lancashire, & Chesh	1. 19	1,088,804	37	8 p. c.	804	596
Solton, Binekburn, & West Yorksi	1. 14	786,384	7.	1	369	0865
eledonian		4,865.135	244 3	-	4805	2568
bester and Holyhead		3,014,602	186	(dub)	2000 FER	30 A
Dublin and Drogheda	854	774,875	334	1978	ufi 691:	\$ W 1.0
Dublin and Kingstown Dundee, Perth, & Aberdeen June	74	395,915	9. 1000/7c	Par y	1 1714	531
Cast Anglian (Lynn to Ely)	67	1,167,104	244	01/23/03	1004	795
East Lancashire	. 50	8,628,519	17	JU 693	599	487
Castern Counties and Norfolk	2005	12,027,069	94 10	1	12781	12288
Eastern Union	504	1,712,703	13	0020	1128	1005
Edinburgh and Glasgow		2,644,378	424	126 4	3(5)	3220
Edinburgh and Northern		2,282,115	114	40	1732	1002
Glasgew, Paisley, and Avr	. 1 102±	2,286,353	80	4.50	1261 III	2059
Hasgow, Paisley, & Greenock	. 23	848,328	14	114 00	986	994
M. Northern & East Lincolnshir	e 110	4,265,171	114	. 58	1635	Maring
A. Southern & Western, Irelan	4 131	2,844,897	348 5	4.	2976	1929
reat Western	. 305	11,606,815	94	7	17126	16536
Londal and Windermere	101	174,600	204	IN <del>The</del> rel	120	1114
angaster and Carlisle	. 70	1,476,102	53	DOM: U.S	2033	1497
ancashice and Yorkshire	206	9,218,450	78	40.00	11557	9181
ondon and North Western ,	435	25,077,942	134	10.00	37296	36915
ondon and Blackwall	1623	1,299,675	54	1-13	452	684
ondon, Brighton, & South Coast ondon and South-Western	2164	6,382,281	36	24	7243	5925
ondonderry and Enniskillen	144	7,510,689	371 7	6		6296
Lanchester, Sheffield, & Lincolnah	91	6,048,679	16	<b>31</b> (4)	166 8160	1990
didland Company	471	14,042,340	79 78	12012	20233	18955
didiana Great Western (frish)	50	725,332	214	Trans. 8	1060	879
forth British	99	3,163,450	14407	of bs	9686	1011
cottish Central	454	1,364,228	244	Ja 11	963	2
hrewsbury and Chester	47	969,618	194		1875	608
outh Devon	354	1,909,232	17	2000	1413	744
Outle-Eastern	1664	0,416,914	238	Cease	6622	6586
aff Vale	38	879,110	1918/01/01	गणक रा	1961	1901
later	36	664,684	455	of the	E 31-017	864
Veet Cornwall	18	A STATE OF SHIP	CONTRACTOR	16072 1	239	interior (
Vhitelaven Junction	12	150,879	109	01000	dauge oils	166
ork, Newcastle, & Berwick	265	6,827,849	244	500	11026	10063
ork and North Midlend		4,963,618	451 6	N 457	6783	7471
		RAILWA	YS.	· debelo	and the second second	chousenis
miens and Boulogne	764	073,308	AL M	4	1249	-
seppe	26	ACCRECATE D		3.2.115cm	799	dulka
ontereau and Troyes	571	March Action	WELL BUILDS	of pas	792	1068
orthern of France	713	2,000,000	CONTRACTOR AND ADDRESS OF	-	720	1020
Tleans to Bourges (Central)	1074	2,000,000	104 #	1970	13500	12505
rleans to Tours	79	600,000	1 201	Se Zing		2399
aris and Orieans	82	9,011,720		man.la		7487
aris and Rouse	85	2,062,916	204	-	3676	3106
onen and Hagra	594	24002,310	11	-	2296	1147
onen and Harra. trasburgh and Busic (monthly)	90	Charles of	1000	0,62362	5497	5842
est Flanders (ditto)	1000000	STATE OF THE PARTY	14	Marketon - Tal	A CONTRACTOR OF THE PERSON NAMED IN	1047

Interest.—Total for last week, £184,138, being an increase of £96,019 over last year.

-

	AND DEED	****	SHARRS.
PRICES	WA MARK	TABLES.	BHAKES.

괚	makes at Academic attended to a second	AMARIG BELAKES.
2	BRITISH MINES. THE SEE	BRITISH MINES continued.
57	Shares Company Paid Price	Shares, Company, Paid, Pric
	1000 Abergwessin 8 8	256 Sth. Friendsh. Wh. Ans 20 4 256 South Molton
X	1934 Alfred Consols 95 5 1G30 Antimony&Silver-Lead 5 54	256 South Molton 8 15 16
訓	1024 Ashburton United Mines 84 8 10	256 South Tolgus
20	1624 Balleswidden 9 18	2000 South Wales Mining Co. 1.1
E)	topog barrens Iran Ca	125 South W. Frances   100   230 d
un	1000 Barristown 5 11 2 4000 Bedford 2 1 2 1	1000 South Wh. Marin 95
n	1244 Birch Tor Tin Mine 9 5	10000 Southern& Western, Irish 2 4
g	1000 Barwen Fron Cs.   54   14 2   4000 Bedford   3 2 2	280 Spearns Meor 30 40
90	LAG DIEMER - AVELOUS - AVE	94 St. Ives Consols 70 9
ėij		128 St. Michael Penkivel 5 104 999 St. Minver Consols 1 6
9	Ditto ditto, scrip	1000 Stray Park
4	1000 Camporne Consols 5 31	1024 Tavy Consols
	20000 Cameron's Steam Coal 6 1	6000 Tinerofs 7 10 10
1	256 Caradon United	
1	256 Caradon Mines	256 Trehane 14 26 37 2 5000 Treleigh Cousols 6 2 24 200 Trensnee 3 200 Tressee 10 150
Н	3000 Carthew Consols 11 3	2000 Trenance 3
4	512 Contlitue Hill And Annual Action And	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1	500 Combiawn	268 Treveau
1	256 Condarrow	100 United Mines
1	256 Condurrow 20 85 99 95 256 Condurrow 14 24 3 1000 Coombe Valley Quarry 34 4 1000 Copper Bettom 15 4 4 64 242 Craddock Moor 234 5	100 United Mines 200 200 256 Weilington Mines 25 20 2 128 West Butter 10 200 256 West Canadon 20 115 2 512 West Fowey Cunsois 40 12
1	1000 Copper Bettom	256 West Caradon 20115 20
1	128 Crear Braws	
1	128 Creeg Braws	1 900 West Neton 40 . 040
1	300 D.Prior & Buckfastleigh	- West of Scotland IronCo. 240. 90 120 West Trethellan 5 . 25 256 West United Hills
1	7100 Derwent 83 5	256 West United Hills 4
1	845 Devon&Courtenny Con. 72 1 1024 Devon Grent Consols 1 205 10 15	512 West Wheal Frances . 13. 2
1	1000 Dugrode 5 -	3720 West Wheat Jewel 11 11
1	186 Dolcouth	256 West Wheat Treasury 19 5
1	10000 Darham County Coal 45 9	1024 Whiddon Mines 44 2
1	2560 Drake Walls	512 West Wheal Frances   13   2   250 West Wheal Johns   14   1   256 West Wheal Johns   19   5   256 West Wheal Tengary   19   5   1024 Whiddon Mines   42   2   250 West Water   1074 Whiddon Mines   42   2   250 West West West   79   20   20   20   20   20   20   20   2
t	2500 East Birch Tor 8 31	107 Wheel Adams 79 30 1000 Wheel Agar
1	2048 East Crowndale 64	240 Wheal Anderton 254 904
1	512 East Combe Silver-Lead 64 . 64	128 Wheal Appa Maria 61
ŝ	9000 East Tamer Consols	128 Wheal Ann
L	112 East Caradon 47 47 47 2048 East Caradon 47 47 2048 East Cornweller 64 4 12 East Combesilier-Lead 62 6 12 East Pool 5 5 78 5 99 East Wheal Croffy 12 2 2 9 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	256 Wheal Benry 144 2
¥ſ.	128 East Wheat Rose 50 - 600  East of Scotland Iron Co. 5 14  123 East Wheat Seton 14 10	256 Wheal Blencowe 21 5
1	East of Scotland Iron Co. 5 14	256 Wheal Blesheeve   21   5   556 Wheal Bucketts   20   8   256 Wheal Bucketts   20   8   256 Wheal Coad   1   4   4   4   568 Wheal Courtesay   124   15   256 Wheal Furnace   61   388 Wheal Furnace   27   134   338 Wheal Harriston   27   134   338   3
1	1280 Esgair Lli 14 24 3	1024 Wheal Could
1	1280 Esgair Lli 14 24 3 256 Exmoor Wh. Eliza 6 6 494 Fowey Consols 40 45 1024 Freidd Llwydd Mines 14 3	256 Wheal Fortescue 61.
1	1024 Freidd Llwydd Mines Coll Coll	388 Wheat Franco 27 134
		128 Wheal Henry
10	256 Gonaucha	128 Wheat Harriet
Ð	256 Grambler & St. Aubyn 80 10 20	208 Wheal Mary Consols. 604. 8
	100 Great Consols 1000 190 200	- Wheal Penhale 12
<b>8</b> 01	2000 Growa Slate Company	120 When Reothers water 41 17 150
8	250 Gwingstre Down Con. 14. 24 25 256 Herodsfoot 27 19 20 0000 Hibernian 124 14 239 Hobb's Hill 6	99. Wheal Seton 214 550 600 180 Wheal Sisters 354 5 494 Wheal Sophia 46 5 129 Wheal Spearne 10 75
1	239 Holsh's Hill	494 Wheal Spearme
		494 Wheal Sophia
	1024 Kingsett and Bedford. 1 4 8 2 8 2 2 2 2 2 4 Eanarth Consbig. 1 4 3 2 2 2 5 2 Eanarth Consbig.	550 Wheat Treason 7 2 20 Wheat Treason 7 1 674 70 26 Wh.Tremainests.Etran 94 2 1024 Wheat Treasagns 4 94 2
	2048 Lamherope Wh. Marin 13 . 2	256 Wir.Tremaine(St.Ervan) 54 21
		92 Wheat Tryphens 140 265
1	160 Levant 175 180 1000 Lewis 16 103 1000 Llwyn Hales 74 7 8500 Llywi Iron 50 50 856 Loswithel Corsols 19 14	192 Wiesi Trypiena   140   265   1900 Wheni Vincent   2   7   256 Wiesi Vincent   3   7   256 Wiesi Vincent   4   4   4   4   4   4   4   4   4
1	1000 Llwyn Malocs 71 7	184 Wheal Vyvyan 60
1	950 Liyuvi Iron 50 50	250 Wheal Williams 28g 8
B		THE STATE OF STATE OF THE PARTY
1	South   Sout	FOREIGN MINES.  5000 Alten Mining Company 141. 21
2	0000 Mining Co. of Ireland 7 4	15000 Asturian Mining Co 15 . 31
	100 North Poul	15860 Asturian Mining Co. 15 34 1 20000 Anstrallan 3 54 54 10000 Anglo-Mexican Co. 100 1 12374 Ditto Subscription 25 1 6000 Barossa Range A. 15 2 2
	140 North Hockear 51 165	12374 Ditto Subscription 25 1
	TOT MOTER WITH TOTALLY	8000 Barossa Range A
	128 Par Consols \$52 800	2000 Ditto Serip 16 24
10	1024 Panyance Consols 152 3d. 2	12000 Cobre Copper Co 40 19 4 20
1	2500 Morthern Coal Co. 23 2 138 Far Councils 558 800 300 Peinant & Craiswen 2 2 2024 Parsance Consols 56 8 30 2 518 Flynouth Wi, Yeoland 64 10 200 Polsatin Consols 51 4	2000 Bolauos
21	200 Polsaith Consols 5 4	4000 Quadalemal 5 13
ш	1000 Rhymney Iron 50 18	5000 Kiprigthal Mining Ass. 2 -2-13
7.	0000 Ditto New	2000 Mexican & SouthAmer. 8 1 11
13	256 Rosewarva Mines 12	104000 National Brazilian 30 34 4
7.	1048 Runnaford Coombe Tin 4 . 2 34 1000 South Tamar	7000 Royal Santiago 10 51 11000 St. John del Rey 15 111 114
1	128 South Caradon 5 1. 400	11000 St. John del Rey 444 15 118 114 114 114 114 114 114 114 114 114
	such corrections for our Share List as we	nts, or others interested, furnishing us with may not have received through our usual

such corrections for our Share List as use may not have received through our usual channels of information—our object being, to present as accurate a list of prices as can be obtained—to procure which, we solicit the sid of correspondents in general.

The
Street     17 6 0       Red fead     17 10 0       White ditto     22 0       Patent shot     19 15 0
Spanish, in bond 15 10 0 American ditto
Block
Banca, in bond
IC Cokeper dox 1 9 6 IC Charcoal
Plates, warehoused,per ton 15 18 0 Ditto, to arrive
English sheetper ton 22 0 0
Quicksitvano ,per 8. 0°3 5

dis; s, 6 months, or 22 per cent. dis; s, ditto; s, ditto; h, ditto; k, ditto; k, net cash. l, 6 months, or 3 p. ct. dis; s, net cash s, 8 months, or 1 p. c. dis, s, ditto; l; dis. o, ditto; l; dis. o, ditto; l; dis.

REMARKS.—We have experienced during the past week a very dull market for all dedescriptions of iron. Welsh hars are nominally the same. We hear of no sales having
been affected, and if orders were offered, there is no doubt, makers would sell at lower
rates. The continued unestitled state of the continent has had a very prejudicial effect
upon the Scotch pig-trou market, and prices have receded considerably since our last.
Sales of mixed numbers have been under at 47s, each, and 47s, 60; for time; at the latter
price there are numerous sallers to-day, but no bayers are to be found above 46s. No. I
forstheirs is held for 90s. cash. If it settemed at Glasgow that the stock has increased
there, since the ist January, 50,000 tons! should this prove to be correct there is no
doubt lower prices will rule.—Speiter: Sales have been made at 7st. 18st on the spot,
and 45t. 10s. to arrive. In other metals no alteration.

GLASGOW, Mancs 29.—The price of pic-tron has gone further back this week, gwing considerable quantity ofsering. The accounts from the United States, regarding this ricle, are improved, and show that a further advance has taken place; but the continued screase of the stock here is alarming holders, and more than counteracts the good effect thich that might have had. To-day there were sales of mixed Nos. made at 47s. 6c.—

#### JOINT-STOCK BANKS.

-	Access to the second se		The second second second	A STATE OF THE PARTY OF THE PAR
Chares.	Companies.	Paid.	Dir. p. cent.	Price.
22,500	Australasia	£40	£3	£234
20,000	British North American	50	****** 6 ******	414
20,000	Colonial			104
Property.	Commercial of Lendon	20	6	19
4,000	Ionian State London Joint-Stock	A 10.41 20	9	244 25
70,000	London Joint-Stock	10	6	14
20,000	London and Westminster	20	6	241
10,000	National Provincial of England	38 92	Color A	344
20,000	National of Ireland	22. 1.02 224	swanner & swanner	19
20,000	Provincial of Ireland	co complete 25	Quint Mary	404 401
4,000	Ditto New	10		15
	South Australia.	994		231
20,000	South Australia	Re (NIII) MO	The state of the s	235
16,000	Ditto New	tend and the	0	200
60 000	Union of Condon	SCHOOL SECTION		
00,000	Union of London	*** - ** // EN . **		104

## LEAD ORES TICKETINGS FOR ABOUT 100 TONS (20 CWIL.) NEWTOWARDS LEAD ORE.

Is fame 1	11 4 9	Doug	las, Isle of 1	lan, Ma	rch 17.	front 3		100	
0.6571170.7	Buyers.		T. Sherry	N Krown	iwitmo	B. E. Iv	Offer	23407	Thes.
Walker	, Parker,	and Co	Chester	******			£9	11	6
Thomas	Somers-	-Bristol	*********	** ** ** *			9	9	0
Newton	Koutes,	and Co	Liverpool			4.3.4	9	3	0
Tamar	Smelting	Company-	Tavistock		downs 1	20.00	9 914	14	6
			Charmille					140	0.00

of the william here we find	mortor and of several desired opened to the final large of the posterior
abot Mines sow but sees go	Sold at the Mine.
East Wheal Rose	77 £11 11 0 R. Michell & Son.
ditto	55 12 8 6 dieto
Linnfair	40 25 1 0 Newton, Keates, & Co.
stop stor ets veilt bus. As	trib at Sold at Aberys with tory bus semmate mus bernages at
Goginan	25 214 .5 .0 Newton, Kuates, & Co.
Frangoch	90 10 6 0 Bristol Company.
Bog	sees 30 seessan 9 18 6 sees to dittor and fill
	deren 30 december 9 9 d7 and beneat has ditto our could be a
	restT - Sold in London, fast in done to blos - Ther
Australia Vivectative of the	20 20 A. A. & 15 6 Sims & Co.

#### BLACK TIN

Mine.	Tons.	Price.	Purchasers.
Wheal Anderton	166 co 16 16 18 60 16	£55 15 0	J. H. Enthoven & Co.
ditto		51 .5 .0	Calenick Smelting Co.
	Schule to do 11		
ditto	diameter allegi	WAL D 45 45 -10 4.	ditto
ditto	nicerocks as thru distress	68-01/43e-01:0 as	tor the est totalbacut
Polberrou		49 0 0	J. H. Enthoven & Co.
ditto	131	48 12 6	Williams and Co.
dirto	24	46 19 6	Bissoe Company,
ditto		44 10 0	

#### COPPER ORES.

#### Sampled March 7, and Sold at the Royal Hotel, Truro, March 22, 1849.

Minest   Tons   Price   Minest   Tons   Price
Mitto   109
Mitto   109
ditto   106   7   5   6   ditto   63   7   18   ditto   69   7   4   6   ditto   47   10   5   ditto   59   7   4   6   ditto   41   41   41   41   41   41   41   4
ditto   69   7   4   9   ditto   47   10   8   ditto   58   7   4   6   ditto   28   14   4   11   ditto   58   7   2   6   ditto   28   14   4   11   ditto   28   15   6   ditto   29   4   12   ditto   48   48   48   48   ditto   48   48   48   48   48   48   48   4
ditto   59   7   4   6   ditto   4   4   4   4   4   4   4   4   4
ditto   58   9   2   0   Wh. Friendship   108   9   5   0   Wh. Friendship   108   9   5   0   0   0   0   0   0   0   0   0
ditto   58   9   2   0   Wh. Friendship   108   9   5   0   Wh. Friendship   108   9   5   0   0   0   0   0   0   0   0   0
ditto   10     4   8   6   ditto   10     7   12     ditto   10     5   6   Foldice     59     4   18     ditto   10     5   6   ditto   6     4   18     ditto   10     5   6   Beaford United   11   7     ditto   75     5   8   0   Treleigh Consols   64     3   18     ditto   37     38   0   ditto   36     88     ditto   57   7   5   ditto   3   3   ditto   3   3     ditto   57   7   5   ditto   3   3   ditto   3   3     ditto   57   5   ditto   5   3   ditto   5   3   3     ditto   57   5   ditto   5   3   ditto   5   3   3     ditto   57   5   ditto   5   5   ditto   5   5   ditto   5   5     ditto   57   5   ditto   5   5   ditto   5   5     ditto   57   5   ditto   5   5   ditto   5   5     ditto   57   5   ditto   5   5   ditto   5   5     ditto   57   5   ditto   5   5   ditto   5   5     ditto   57   5   ditto   5   5   ditto   5   5     ditto   57   5   ditto   5   5   ditto   5   5     ditto   57   5   ditto   5   5   ditto   5     ditto   57   5   ditto   5   5   ditto   5     ditto   57   6   ditto   5   ditto   5     ditto   57   6   ditto   5   ditto   5     ditto   57   6   ditto   5   ditto   5     ditto   57   ditto   5   ditto   5   ditto   5   ditto   5     ditto   57   ditto   5   ditto   5   ditto   5   ditto   5     ditto   57   ditto   5   ditto   5
ditto 487 4 18 9 5 ditto 405 7 12 ditto 105 7 18 ditto 105 4 3 0 ditto 58 4 18 ditto 101 5 1 6 ditto 58 4 18 ditto 101 5 1 6 ditto 6 2 1 ditto 92 5 1 6 Beaford United 4 3 7 1 ditto 75 5 8 0 Treleigh Concols, 64 3 14 Wh. Maria 86 9 5 ditto 16 8 18 ditto 57 7 3 0 ditto 11 2 3
ditto   105     5   15   6   Poldice     5     4   3   0   ditto   68     4   18   ditto   61     5   16   ditto   6     5   16   ditto   6     5   16   ditto   6     5   16   ditto   6     5   17   ditto   7   7   ditto   7   7     6
ditto 191 5 1 6 Bedford United 112 7 7 ditto 192 5 1 6 Bedford United 112 7 7 ditto 172 5 0 Treleigh Copsole 3 12 Wh. Maria 86 9 0 5 ditto 36 8 18 ditto 57 7 7 5 0 Utto 11 2 3
ditto   92     5   1   6
ditto   75   5   8   0   Treleigh Consoler, 64     3   12   Wh. Maria   86   9   0   5   ditto   36     8   18   ditto   57   7   8   0   utilio   11   2   3
Wh, Maria 86 9 0 5 ditto 36 8 18 ditto 57 7 3 0 utto 11 2 3
Wh. Maria 86 9 0 5 ditto 36 8 18 ditto 11 2 3
ditto 57 2 3 U. L.
Wh. Anna Maria 98 7 7 0 W. Fowey Consols. 93 7 II
Fowey Consols 92 8 7 0 Wh. Bucketts 46 3 15
1 1811 181116 O 82 124 16 10 16 D D Why Maiden 34 20 24 4 0
6 18 Ming 22 1078 2010 06 18 6 00 17 11 Wh. Jewel 14 16 18
1 ditto 1 61 3 . O Oth sends con the handwife too bed dischler

#### TOTAL PRODUCE.

1	Devon Gt. Cons.	Poldice 123 £170 16	. 6
ı	Wh Todah	Bedford United 113 796 43	-
1	Wh. Maria \$1442 £9412 1 0	Treleigh Consols 111 578 11	
4	Wh. Fanny ( A seal & Man, any long of	W. Fowey Consols 98 702 3	
1	Wh Anna Maria	Wh. Bucketts 46 173 13	
1	Rowey Consols 368 2165 5 0	Wh. Maiden 20 80 0	
1	West Caradon 342 2778 6 6	Wh. Jewel 14 67 11	
1	Wh. Friendship 213 1797 0 0	the tode in the to im level othis sode is	

## COMPANIES BY WHOM THE ORES WERE PURCHASED.

	Mines Royal	197		.£	1023	17	1
0.0	Vivian and Sons	665	****		476D	10	B
95	Freeman and Co	216			903	13	15
1)1	P. Grenfell and Sons	253			1427	6	24
	Sims, Willyams, and Co	434			2526	19	ød
	Williams, Foster, and Co	1084		Agel	8316	12	d
a:	Schneider and Co.	36	****	151	163	2	ol
Ta.	Total tons.	9665	4000	0 10	122	-	7

Copper ores for sale on Thursday next, at the Royal Hotel, Truro.—Mines and Parcels, United Mines 743.—Consolidated Mines 679.—Treviskey 416.—Par Consols 315.—Tresa-n 308.—South Caradon 955.—Trevislan 302.—Wheal Comfort 185.—Wheal May Conot 145.—Pervan St. George 129.—South Tolgus 93.—Grambler and St. Aubyn 77.—Wheal Clien and Wheal Music 76.—Richards ore 24.—Wheal Andrew and Nanglies 21.—Tolal quantity of ore to be sold, 2665 tons.

Quantity of ore to be soid, 2600 tons.

Copper ores for sale on Thursday week, at White's Hotel, Pool.—Mines and Parcels.—
North Pool 559—Wheal Seton 506—East Wheal Crofty 477—Camborne Vean 451—Fewey
Consols 326—Tineroft 325—Condurrow 300—South Wheal Basset 281.—East Poel 211—
Deleasth 178—South Wheal Frances 174—Wheal Mary 139—East Wheal Seton 8—East
Prinnis 4—Mica Bay 3.—Total, 3942 tons.

## Sampled Feb. 28, and Sold at Sucansea, March, 22 1849.

	Mines. Tons.	Prod.	Price.	Mines.	Tons.	Prod.	Price-
	Berchaven 118	w 10 £	7 19 0	Cobre	30	164 £1	2 15 6
H	ditto	10	7 17 0	Burra Burra	58	322	5 18 6
	ditto 112	9f	7 11 6	ditto	60	322	5 17 6
ı	ditto 95	104	8 1 6	ditte	37	312 2	5 0 6
ì	ditto 93	. 10	7 19 0	ditto	1. 24v	334 2	7 2 0
	Knockmahon 111	8	6 3 0	Havana	53	154 1	1-13-0
1	ditto107	104	8 1 0	ditto			
4	ditto 91	6	4 19 6	ditto	39	304 2	5 0 0
1	ditto 81	9	6 19 0	ditte			
J	ditto 53	98	7 4 6	Ballymurtagh	65	64	5 10 0
2	ditto 50	. 8	6 3 6	ditto	47	61	5 10 0
B	ditto 10	84	6 11 0	ditto	33	disease.	8 10 0
g	Cobre 108						
ì	ditto 100	. 124	9 12 6	Forest Siag	1. 09	40.00	1:13 6
H				ditto			
1	ditto 71	124	9 15 0	Vine Slag	30	48	1 13 6
I	Tinte the sale will	Later Sea - Are	OTAL I	RODUCE.	DOY SALLING		7401
4	Daniel Course	£ 410		Haupna	170		10 6

#### ..... 503.... 3345 0 0 Ballymuraegh..... 136.... 400... 4005 6 0 Porest Slag ..... 92... 173.... 4538 19 6 | Vine Slag ..... 30... 16 .... 30 ....

COMPANIES BY WHOM THE ONES	Toma.	Amon	int.
English Copper Company	. 131	£1908 H	8 6
Freeman and Co	. 37	925 11	5 0
Granfall and Rong	. 320	1864 2	6
Sime Willyams, and Co.	400		
Vivian and Sons	. 388	2609 14	0
Williams, Foster, and Co	. 887	4810 11	20
Mines Royal	. 39		
Schneider and Co.	98	2028 19	0
H. Smith	. 40	593 (	. 0

Copper ores for asle April 5.—Cobre 97, ditto 95, ditto 85, ditto 86, ditto 85, ditto 86, ditto 85, ditto 86, ditto 86, ditto 86, ditto 86, ditto 86, ditto 86, ditto 87, ditto 88, ditto

Shotton Colliers, Durham. A. H. Aaron was crushed by a stone talking from the Wasserton Colliers, Rishop duckland. — Struchenson died of refures by a fail of the Ding Deng Mine. — James Quick, a kibble filler, whilst employed in the 80 necessived a blow on his head from a piece of timber falling surveying the start,

#### GUTTA PERCHA COMPANY.

The introduction of the singular natural production, gutta percha, some few hars since, to various artistic purposes, has given us a material, which for n mental design in picture frames, upholstery, cabinet work, and internal coration, is fast superseding every other less pliable material. Tough and rd as wood when cold, this substance is sufficiently obedient, when heated to out 200° Fahr., to be moulded into any fashlon we desire, and to take the set delicate impressions and deap under-cuttings of the most claborate carvers. The company by whose enterprise this material has been so extensively reduced have left no means untried, and spared no expense, to produce a reset substitute, in numerous instances, for wood carving, porcelain work, tatl and other substances, in many cases highly superior; and we have just eived a work, consisting of six plates, entitled The Gutta Percha Company's sitera Book, being fac ssusies of ornaments for picture frames, upholstery. They are printed from lithographic drawings, in heautiful and elaborateigns, and consist of the royal cost of arms, in three different styles; varied a splendid scrolls of the vine-leaf, stalk, and grapes; bacchi and bachant; ids, cupids, and boys, under various circumstances; Faith, Charity, fonts, rabl, do. The frontispiece consists of an elegantly designed border, formed the stems, leaves, flowers, and froit of the tree from which gutta percha is ained. The whole is intended for the use of the dealers in the company's dis, who will thus be enabled to supply the various ornamental trades and feasions with articles chosen from the patterns; and we understand it is included to publish a variety of new designs in succession, the originals of the the company will supply at a price to ensure their general adoption. gular natural production, gutta percha, some

#### NOTICES TO CORRESPONDENTS.

a upon our correspondents, the necessity of invariably furnishing us with and addresses—not that their communications should, consequently, be an earnest to us of their good faith.

DEFFERMENTS.—We have a note for "N," whose communication appeared on the hinst. We have mistaid his address.

PATENT GAS JOINT.—We have received, from Mr. Thomas Richards, Gas Officorcester, some particulars of a new patent gas joint, introduced for the purpose cilitating the connecting and disconnecting of gas with a movemble pillar, or oth mamental fitting. There is no serwing or unscrowing, but simply pressing a cover to the end of the tube, in which is a spiral spring, when the gas will flow into the rured burner. We cannot exactly comparphend its action, having received no references to the letters on the diagram, but should be glad of further particulars.

DINAS MOWDDY, MERIONETHSHIPE.—We have received a ridiculous communication without name, initial, or date, purporting to befrom ship place, respecting some minera discoveries in the neighbourhood. It is, of course, totally handmissible in our columns, and we only wonder at any one, in his senses, penning such nonsense, and more so that he should expect as to publish it.

Inat he should expect us to publish it.

A. B. "(Commercial-road).—There are many articles of manufacture, both in cast and wrought-fron, in which the original cost of the fron is completely lost sight of, the increased value being made up entirely by the labour bestowed upon them a thus, east-ino of the value of it. becomes, converted into ordinary machinery, 4t., large ornamental work, 45t; buckles, Berlin castings, &c., 660L; neck chains, 1386L; shirt buttons, 5896L; it. worth of wrought-fron is converted into—horse-shoes, 2L 10s.; table knives, 36t; needles, 7tt.; penking blades, 557t; polished buckles and buttons, 997L; halance springs of watches, 50,000.

"X. Y. Z." (Dublin).—The Knockmahon, Kilderane, Bonmahon, and Balinasisla Mines in the Waterford district, are, we believe, worked by the Mining Company of Ireland.

"M. N." (Battersea).—The Pitt diamond was bought, by Mr. Pitt's grandfather, for 20,0004, and sold by him to the regent of France for 120,0004. With a portion of the profit he purchased Old Sarum, and thus enriched his descendants.

"A Young Jeweller" (Bond-street).—The hardness of precious stones is in the following order:—diamond, ruby, sapphire, topez, hyacinth, emerald, garnet, amethyst, agate, turquoise, and opal.

"Characters" (Kanabatcha).—The hest mineral from which to obtain covere is the black

turquoise, and opal.

"Chemicas" (Kensington).—The best mineral from which to obtain oxygen is the black oxide of manganese. It contains one-half its quantity of pure oxygen, and will give out a considerable portion by placing it in a retort subject to a bright red heat.

"Railway Speculator" (Old Jewry).—We can only account for the great difference in price between the Great Western shares and those of the London and North-Western, as stated to our last, by the many awkward guarantees the former company are liable to, and the greater expense of wear and tear and permanent way on broad gauge lines.

"An Old Subscriber" (London).—On the Cost-book System, it is the duty of the purser to call the two-monthly meetings, and should he neglect to do so, he is responsible for such, neglect. The principle of the system is, that all the shareholders act together for the joint benefit; and if there are dissentients to the general management approved of by the majority, they had better as once resign their interest, as equabbling among shareholders has too often brought what would have been a fiourishing concern to the ground. We refer our correspondent to a few leading remarks in the Journal of the lotts March inst.

10th March inst. Electro Glider" (Rahere-street).—Nitric acid and aqua fortis are synonymous; it consists of 100 parts by volume of nitrogen, and 250 oxygen. It is a colourless liquor, has a specific gravity of 1-51, boils at + 248°, and freezes at 50°. If 38 parts of nitric acid and 42 of water be mixed, instead of 100, the volume is only 92'65, and the temperature-rises from 60° to 140°. A flash of lightning, by decomposing a perion of atmospheric air, and re-arranging the volumes of oxygen and nitrogen, often produce nitric acid. As it loses its oxygen, it changes colour, first to yellow, through several shades to gravinh blue.

"Old Lynx-eyed Miner."—We have received another long and somewhat rambling communication from our lynx-eyed correspondent, which, however, we must decline, for the reasons before stated. He finds it very amusing, over his glass of ale, to take up a paper, and have a glance at the week's furning, which, however, we must decline, for the reasons before stated. He finds it very amusing, over his glass of ale, to take up a paper, and have a glance at the week's furning, where shares in this and that mine are described as sought after it advanced, prices, when no capitain's report appears. He says, we stated hist week that a great many shares in Wheal Seton had changed hands, and it sow turns out that there is a great failing off in the produce, which brought these shares into the market. Our correspondent must, indeed, have lynx-eyes, if he can see such a statement, for we have not mentioned Wheal Seton for three weeks, and then not to say, "a great many shares had changed hands," only that they had been inquired for. Neither have we notice de Wheal Fanny for some time. It would appear that the potency of the ale overcomes the visionary powers of his lynx-like optices, and although he can probably see a fathom into the ground on some occasions, it is quite clear he cannot see correctly into our columns: his remarks, in general, are unworthy of notice.

10. G. "(Cortiand-street, Southampton).—The last information we have the statement of the contraction of the contraction was a statement of the contraction of the contraction of the contraction was the contraction of th

general, are nuworthy of notice.

\*\*P. G.\*\* (Portland-street, Southampton).—The last information we have received of the progress of White's patent hydro-carbon gas, was the report of a lecture delivered by the patentee, at the Palatine Hotel, Munchester, on the 5th January last, Mr. Fairbairr presiding, and which appeared in our columns on the following 18th, when he produced a brilliant gas is the room, from a small model apparatus, and stated that two being very generally adopted in the towns and manufactories of Lancashire. An apparatus for producing 1000 cubic feet in 10 hours occupies a space of only 5 feet square, and can be erected for 40. or 50%. A small one, for domestic purposes, will cost 10%, and the gas can be produced for 2s, per 1000 cubic feet. We have not heard of its expulsion from the Polytechnic Institution. In a letter from Mr. White, published in fact week's Journal, he also states that he is going on successfully, and has entered into a contract with Mr. Harvey, of Findeyer-street, Westminster, as far as regards, the supply of the apparatus in Middlesex and Surrey.

Lospatrick" (Whitehaven).-Mr. J. Mitchell, 23, Hawley-road, Kentish-town, London "Lospatrick" (Whitehaven).—Mr. J. Mitchell, 23, Hawley-road, Kentish-town, London-Mr. Baverstock (Dean-street, Sohe) considers the plan(f Mr. Horsley, for lighting mines described in last week's Journal, the best hitherto published. He states, "The idea of amplying the lamp from a pure source, instead of from the circumamblent air, is excellent and very feasible; they could be laid on from the pit's month, the branches terminating with flexible tabes, and be supplied by a small pump, with a little power, from the engine. It being generally estimated that an individual, or a candle, consume the oxygen of one cubic foot after per minute, and as it is stated in your last that a 5-horse engine draw 14,000 cable, feet of air per minute, one and 500 lights with pure air. The jet should be so arranged, that it could be laid down, stood on the floor, hung up, or even attached to the person by a belt. It should have an away mouth-piece, and would not in the least interfere with any other system of ventilation, which could be still carried on as before."

W. G." (Ourham) informs us, that a safety-lame, on the principal recommended by

be still carried on as before."

W. G. "(Durham) informs us, that a safety-lamp, on the principle recommended to Mr. Horsley (Ryde, Isle of Wight) in our last number, was patented by Alessus. Glark and Variey, about four years since. Our correspondent is of opinion that there would be found much difficulty, in preserving that portion of the tube from accident whis must necessarily lie on the ground and loose, to enable the collier to move the light about the face of his work, if he could not carry it about the pit.

sea).—The London offices of the Loëtchen Silver-Lead Mines, in Switz, Southampton-street, Strand : or application may be made to Mr. Glbion-place, Blackfriars-road, London.

w. Diancis, 5, Alvind-piace, Biacktrant-road, London,
W. G.\* (Raven Hill).—We do not know the exact variation of the magnetic needle
1846; it is now, as we have before stated, 28 deg, west; in 1821 it was 24 deg. 11 it
18 sec. west, having decreased 14 min. 18 sec. in 28 years, or about 24 sec. per annu
4 fileh, if the annual decrease is regular, would give, for 1845, something yery, a
24 deg. 1 min. 36 sec.

24 deg. 1 min. 36 sec.

3. Mr? (Hull).—The basis of Ransom's artificial stone is silex, converted into a viseld liquid, by a peculiar mensiruma. The several substances required to form the stone be imitated, whether coller, sandstone, conglomerates, acc., ascertained by previous analysis, are then mixed up with the silex into a stiff Flay, from which the object required is monided, and afterwards baked in a kilin. The speckness are very beautifal. "J. M." will, find a very interesting description in the last page of our Journal for October 23, 1947.—A full description of the process for octaming the hydrogen from water, and carbonising it for the purposes of artificial filumination, will be found in a report of a lecture by Dr. Ryan, at the Polytechnic Institution, in the Mining Journal for September 2, 1848.

for September 2, 1848.

"An Old Subscriber." (Falmonth). —Dipyre is only found in the Western Pyroness, imbedded in soft state: it is so called from its phosphoresence and intumesces very much before the blow-pipe, and phosphisfesces at the same time.

Smelter "(Swansea).—The composition of Britannia metal is in the following proportions:—3; ewis, of best block ting 2s lbs. martell regular of antimony, 8 lbs. of copper, and 8 lbs of brass.

"G. B. C." (Adelphit-terrace).—According to the returns made to Parliament, the number of passengers who traveffet by the different lines of railway, from the 1st of July to the 31st of December, 1848, were 31,524,641; out of these 112 were killed, and 120 injured.

Teo injured.

Chemiss? (Liverpool), states. "The discovery of gold alluded to by 'B. C. D.' an published in your Journal of the 10th line, is by no means a singular circumstance Becher, obtained gold from regulables. M. Io Sage from rotted manure, garden moule and uncultivated earth, and Berthollet from ashes. In fact, all mineralgalets ages that it is more extensively diffused, though in exceeding small quantities, than an other metal, except from.

J. D'A' — We should see obliged for the promised commingation.

The fetters of Mr. J. J. Lake, on Improvements in Electric Telegraphs, thussil, on Bowey Lignite, shall appear in our next Journal; also the the series of papers, by Mr. Matthias Dunn, on the Winning and Worki

t all communication of the Europe.

To the Europe.

Mining Journal Office.

26, Pleet-Straker, Losdon.

Calmon Manuell, as acting for the proprietors. \* It is particularly requested that all co

nd Post-office orders made payable to Wm. Salmon Mai

#### THE MINING JOURNAL Railway and Commercial Sagette.

#### LONDON, MARCH 24, 1849.

ne Miwing. Journal is published at about Eleven o'clock on Saturday morning, at the office, 26, Fleet-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of London.

It is impossible to be always announcing improvements in th trading and commercial interests of the kingdom, but we are happy to have it in our power to say that the general tone of those interests has been well and satisfactorily sustained. In that particular branch of them with which this Journal is most intimately connected, it is or tem with which this Journal is most intimately connected, it is gratifying to state that things continue in a firm and hopeful condition. The importation of foreign ores has been, for some time past, declining, and the home market has been, for the most part, supplied from home sources, so that, with a less amount of competition generally, prices have moderately gone up. We expect this npward course will continue, and that when the causes, both of a fiscal as well as of a political nature, which have recently disturbed the markets, shall have subsided, that as to all mining produce, we shall have a steady and a remunerative trade. Consols duce, we shall have a steady and a remunerative trade. Con have also, within the last few weeks, declined a little; our readers know the effect of this. Whatever lowers the funds raises the price of money, and when money is dear, or scarce, it will affect the value of all transferable property. Among such descriptions of property nothing is more sensative—nothing more delicate in reflecting the pressure and circumstances of the money market—than shares in mines and railways. Notwithstanding, mining shares have, almost without exception, kept the quotations they had attained, and the strong probability is, that this kind of investment will, in the result, he found among the most remunerative of any thicken he cointed out. We so reason, we thus conclude, no less with a view to the intimations now before us of the future, than to the history of the quarter now nearly run out. Our opinion being, that mining produce, as a whole, and mining shares, will be found, throughout the quarter upon which we shall shortly enter, an improving and ascending property.

It will be gratifying to every friend of humanity to learn, that at ngth there appears some prospect of the most complete s tending the persevering efforts of the scientific frie ads of humanity, to accomplish the thorough ventilation of our collieries, and thus place the men in comparative safety, while pursuing their tollsome duties in the dreary caverns of the mine—at least, from that most to be dreaded scourge, the explosion of fire-damp. The numerous catastrophes which have lately so rapidly succeeded each other, and with such appears to the first terms of the succeeded each other, and with such appears to the succeeded each other, and with such unusual fatality as regards numbers, has at length aroused the public mind, not, we hope, immediately to slumber again, but to real action, from which we anticipate the happiest results. Among the several mechanical appliances which have, within the last few months, been brought experimentally into practice, either in aid of, or entirely superseding the furnace, and which appear to be, more or less, efficient for causing a sufficient current of air through the most extensive workings, Mr. Gurner's jets of high-pressure steam appear at present likely to take the lead.

In another column will be found the report of a meeting, held or Tuesday last, at the works of Mr. Coulthard at Gateshead, at which Mr. Gürner exhibited his apparatus; with many interesting experiments, before a scientific and highly respectable audience, among whom were the Mayor, T. E. Forster, N. Wood, and E. Potter, Esqs., colliery viewers, with many other gentlemen interested in mines, in the Tyne and Wear districts. The lucid and perfect manner in which the experiments were conducted, evinced the practical efficiency of the scheme in producing currents of air, unlimited in quantity and velocity, and they were received by the audience with delight and astonishment. On their conclusion, the Mayor proposed a vote of thanks to Mr. Gunney, "for the clear and able manner in which he had displayed the merits of his invention, and for his unwearied exhad displayed the merits of his invention, and for his inveariod ex-ertions, for so many years, in promoting an object so devoutly to be wished for," which was seconded and carried with acclamation. Mr. Gurry in reply said, that whatever credit the public might consider he descreed, for his lumble exertions in advocating the best means for ventilating mines, not less was due to Mr. T. E. Forster, for the earnest and ligenfous manner in which he had car-ried out, in practice, the principle they had on that occasion had ex-plained to them. Mr. Forster informed the audience that he hoped to be prepared by Wednesday next, at Seaton Delayal Colliery to plained to them. Mr. Fourte informed the audience that he hoped to be prepared, by Wednesday next, at Seaton Delaval Colliery, to put into operation the jets in his other upcast shaft, which he was arranging to be near the surface, and he kindly invited all then present to witness and examine the results, and judge for themselves. It will be remembered, that at this colliery the principle is, and has been, some time in operation, with the most beneficial results; and has been some time in operation, with the most beneficial results; and in proof of its complete success, and that by its application the fur-nace may be completely dispensed with, we are informed that previous to its erection the quantity of air passing through the workings was 53,000 cubic fret per minute, and with the jets 79,000. With the furnace, in addition to the jets, the latter amount was not exceeded, a fact of the most important nature, and one deserving of due consideration. We know not how "Carbon," whose commudue consideration. We thow not how carbon, whose communication, condemning the system, appeared in our last Number, and many other dissentients, who have hobbies of their own, will recommunication. many other dissentions, who have hobbes of their own, will reconcile their statements with these publicly acknowledged facts; but we congratulate the working miner that the dawn of a brighter day than he has yet witnessed is breaking in upon him, that practical science and human feelings have jointly been at work for the amescience and numan rectings have jointly been at work for the amelioration of his condition, and that on undeniable conviction being brought home to the public, that any of these newly devised plans are completely successful in inducing thorough ventilation under all circumstances, not a coal mine in the kingdom but must apply them to its use; and we shall be much gratified in recording similar happy results from experiments with other apparatus.

The gas question continues, not to agitate, but to make its silent and steady progress in the City of Londou. We have ourselves, and so has, we believe, the press in general, rested the subject on two footings—namely, the sanatory and the economical. We know, for it has been proved by the most irrefragible evidence, that the indoor atmosphere of London is poisoned the six working evenings of the week, by the unconsumed currents of coal gas which contaminate the air of our shops and warehouses. There is no saying how much of the sickness, and of the unsound health of the metropolis, is attributable to the gaseous and vitiated air, in which thousands of our population are obliged to pass so large a portion of their nights and days. The Registrar-General will, perhaps, when he sets himself to trace the prevailing diseases of the town up to their final causes, be able to say, approximately, what portion of them have had their origin in that impure and heavy state of the atmosphere induced by coal-gas burning and coal-gas wasto.

The money, the economical aspect that is of the question, is one which a vigilant trading community can by no means overlook. In the City of London alone, it is a proved point, that some 40,000% are paid quarterly for gas beyond what need be paid, if the service-pipes of the coal gas were cat off, and the new and purer gas adopted in its place. It is a question, however, for the citizens of London to decide for themselves. We speak, of course, of the latter branch of the subject. As to the former, involving as it does so intimately the health of this great, metropolis, it is hardly a private, but a public and a legislative consideration. We do no more than our duty as public journalists, in bringing the subject from time to time under lic and a legislative consideration. We do no more than our duty as public journalists, in bringing the subject from time to time under public observation. A minature exhibition of the new gas may be seen at 113, London-wall, and its superior illuminating power made apparent, as well as the far less complexity and expense of its may chinery and fittings. We should, of all things, like to see the chamber of Bow Church clock, the eye of Cheapside, lit up with the stardlike radiance of this new illuminating agent. Or, if our humbles voice could reach the Gresham Committe, or the comptroller of the Lond Mayon's household, we should arge upon them the public benefit they would bestow, by allowing the outside of the Royal. Exchange, or the Mansion-house, to be experimentally and, at the psame time, gratuitously lit up with the hydro-carbon gas.

We have said much of late to prove how greatly a large proportion of Aberdeen schemes have been mismanaged. We have stated facts more than enough to convince any rational being of the ulter incapacity of those who promoted important undertakings in the north to carry them out successfully. We think we did some service by doing so. The "clique," through their right-hand man of the Herald, and the old lady of the Banner, felt rather sore on the subject, and attempted to justify their clients—the former by telling us that there were others as bad, and the latter, while more than agreeing in the severity of our strictures on the conduct of the "clique," by abusing us for noticing a subject which it thinks uninteresting to any one out of Aberdeen, and our remarks on which it believes to be uncalled for under the circumstances. We need scarcely say, that not one of these pleas are tenable. We wish to prevent, as much as possible, similar errors in future, by exposing a bygone abuses. A circumstance which has just come to our knowledge proves the necessity of our keeping a sharp look out after ledge proves the necessity of our keeping a sharp look out after our northern friends. We understand it is proposed that each of the three parties connected with the Bon Accord Mine, in Australia, should advance 2000l., in order to ascertain whether the lodes tralla, should advance 2000l., in order to ascertain whether the todes of the celebrated Burra Burra, which is adjacent, really run into the former property! If this be true, it shows the ignorance of mining operations of those who make such a proposition. One-third of the amount would be amply sufficient for such an operation, if properly conducted. We know of an instance in which the parties concerned sent competent men from this country to Adelaide, to survey a sett twice the extent of the Bon Accord, and have made the whole arrangements for working a valuable mine, for a sum not exceeding 1000l. Why two Aberdeen companies should pay so enormously high to obtain similar results, we know not. We hope we are missinf rmed, and we shall be glad if we afford an opportunity of contradicting the report, otherwise the failure of any undertaking so conducted must be attributed to want of knowledge and to extravagance;

We have, on more than one occasion, been called upon to insert communications from correspondents, deprecatory of the proceedings of the authorities who govern the destinies of the Society of Arts, forgetful of the real interests and purposes for which the institution was established, and which its very title implies—"for the encouragement of art, manufactures, and commerce"—and tending to bring its name into contempt with the intelligent and scientific portion of the public, that very part of the community by whom it is supported, and to whom, indeed, it owes its existence. If former communications of this nature have excited regret for acts caused by errors in judgment, a notice from a correspondent, which will be found in another column, should it prove true, will raise the indigcommunications of this nature have excited regret for acts caused by errors in judgment, a notice from a correspondent, which will be found in another column, should it prove true, will raise the indignation and contempt of every honest mind. It evidently implies, and the implication is borne out by other statements from parties, likely to be able to arrive at the truth, that recourse has been had to "jobbing" in the conduct of the affairs of the society; that a favouritism has been shown in granting permission to exhibit works of art; and that, unless particularly in favour with certain parties, such permission is difficult to obtain. Whether however, true or false these accusations may prove, we know the general feeling of members to be in opposition to some of the steps taken during the last and present sessions, and we can certainly well understand that turning the society's premises into show-rooms, from which its own members were excluded, or even converting it into a picture gallery, to which persons can be admitted indiscriminately, on payment of sixprements were the intention of its worthy founders, nor have such adoptions at all a tendency to advance the interests of the society. There is nothing in these exhibitions of works of art but what may be seen any day in a walk up Regent-street or Oxforderstreet, and a visit to the establishments of any of the exhibitors, gives a far better view of the gizantic progress in the several branches of the useful arts which has taken place within the last few years, and which is still advancing.

It should be the aim and object of those who are at the helm of

which is still advancing.

It should be the aim and object of those who are at the helm of It should be the aim and object of those who are at the belm of such institutions to render their proceedings subservient to higher purposes than mere exhibitions, with which this metropolis so admirably abounds—to foster and encourage native talent by nobler means than these—to decoy from its obscurity hidden genius, often kept in the dark for want of means—and to bring before the public all meritorious inventions, or suggestions, without favour or affections. Such was, doubtless, the intentions of its founders; such are the present views, we have no doubt, of a large majority of its members; and we hope to see the time arrive, and shortly too. fions. Such was, doubtless, the intentions of its founders; such are the present yiews, we have no doubt, of a large majority of its members; and we hope to see the time arrive, and shortly too, when the society's acts will receive the approbation of all its well-wishers, and those who feel a deep interest in the legitimate advancement of the arts and sciences. The conduct of the guardians of such important trusts should not only present a fair appearance to the world, but they should be, like Cæsar's wife, "beyond suspicion." While on this subject, it will not be out of place to call attention to the Institution of Civil Engineers. Here a rule, we believe, is laid down that no paper can be received unless the production of one of its members—a rule by which many useful inventions, and ingenious engineering arrangements are never heard of within its walls. We expect it is from the enforcement of this regulation—and we shall we glad to becorrected, if in error—that Dr. Port's valuable process for driving piles by atmospheric pressure, Clarke and Varley's pucumatic arrangements for railway traction, pile driving, &c., Cumannana and Carter's system of railway propulsion, the interesting model of which is now exhibiting in the City-road, and many other inventions on which original papers of much interest might have been presented, have been entirely neglected by the institution. We should have thought the respectability and asciulness of such an establishment, if other papers than those of members were allowed to be introduced, would have rather been added to, than diminished, and, by bringing strangers in conhection with its members, induce a greater number to join the institution.

We are informed, that a new establishment on an extended and

7

We are informed, that a new establishment on an extended and magnificent plan is in course of arrangement, to combine all the characteristics of the Institution of Civil Engineers, the Society of Arts,

" We allude to the Worthing Mining Company, the prospectus of which appe

the Polytechnic Institution, and a Hall of Patentees; a large plot of ground, we understand, is taken for the building in an excellen and central situation near Exefer Hall, in the Strand, and the pro posed institution is supported by some of the highest and most wealthy members of the community. We shall give the earliest possible notice of the nature of its constitution.

. are

to to the of the or the

blè the blic

ell-

ore.

les les

7

Since our remarks, in the Mining Journal of the 10th inst., there has been a dearth of information on the subject of California and the gold seekers. By recent arrivals from the United States, however, it would appear that they are beginning to obtain somewhat more correct and less exaggerated particulars than filled the American press a short time back. From the New Orleans Cressent we learn that the gold fever had taken hold on the Mexicans to an equal extent as on the Americans—numerous parties having started for the placers, and, with diggers of all other nations, probably make, in round numbers, 15,000 persons. The editor questions the policy of allowing foreign adventurers to abstract the precious metal of their territory, and convert it into foreign coin, and suggests the adoption of measures for preventing its leaving the country, except under proper duties. We also learn that General Saurn had written on the 18th January to the American Consul at Panama, stating that the laws of the United States forbade the intrusion of foreigners upon public lands, and accordingly such persons being found gold digging in California would be seized, and punished as trespassers. This, probably, applies to the hordes of desperadoes who are flocking there from the shores of South America; but the Americans must find means to keep up an army on the spot before they can earry out the threat.

A conducta of \$2,000,000 in silver has recently left the fair of San Juan de los Lagos, for California, to purchase gold-dust, and another passed through Parras with \$460,000 for a like purpose. Capt. W. Pheles, late of the barque Moscow, of Boston, had arrived from California, and was himself a gold digger; his evidence is, therefore, valuable. He brought a quantity of gold, in flakes, grains, and lumps—the largest of the latter weighing 14 oz. The amount of gold brought by him had been greatly overrated, the lowest estimate was \$38,000, and he has less than that. He states that the largest piece being found; but, in every instance w Since our remarks, in the MINING JOURNAL of the 10th inst., ther

season. The inhabitants wish to obtain order, but they could hardly do it, except by having recourse to Lynch law, until some Government regulations are established. When several companies of Col. Mason's regiment deserted for the diggings, a file of soldiers were sent after them, who also deserted; he then started himself with a

do it, except by having recourse to Lynch law, until some Government regulations are established. When several companies of Col. Masos's regiment deserted for the diggings, a file of soldiers were sent after them, who also deserted; he then started himself with a file of dragoons, called the diggers together, and told them, if they expected Government commenance, they must assist in arresting deserters. To this they said, if there were any refugees from justice they should be given up, but their time was too precious to run after mere deserters; Col. Mason was glad to leave with half his dragoons. Agriculture has been so totally neglected, that a man who had a field, containing 15,000 bushels of wheat, could not get it harvested, though he offered half the products, and was obliged to let his eattle eat it. Women and children, as well as their husbands and fathers, had become gold diggers. Capt. Prans's opinion as to the success of expeditions daily starting from this country is, that it will depend upon the manner of their organisation. There is no doubt, he says, of there being considerable quantities of gold in California, but there is gross exaggeration in the matter.

Accounts from the Esthmus of Panama are most distressing; there were, in January, at least 500 wretched beings wending their weary way towards the El Dorado, which to many of them would provetheir grave. At Chagres, the principal inhabitants are Samboes and Mulattoes, trombling with ague, or burning with fever, the whole year; the heat is excessive, and the rain indeesant. It is runoured that the whole isthmus has been offered to North America for a sum of money, and the report appeared well received, as there is no tic of any interest between the inhabitants of the isthmus and the interior, and it is highly probable the stars and the stripes will soon waive over the Isthmus of Darien, from Chagres to Panama, are very great, except for a very few persons, and a small quantity of baggage, or freight. The number of canoes to be had at Chagres,

By accounts received since the foregoing was written, we are informed of some further discoveries of gold and silver in the United States. In the county of Monroe, North Carolina, a mine had been found which yielded very abundantly; four men in two days found 123 lbs. weight of the precious metal, and it was daily picked up in moro or less quantities. Another mine had also been discovered about nine miles from Charlotte Town, which had been worked for several weeks. The vern was 8 feet wide, and averaged about 55 per bushel of earth. Some negroes had obtained some with \$30 and \$40, and one piece of metal weighed \$4 lbs. In Georgia, also, several gold veins had been discovered. A local paper contains the following notice of it:—"A rich gold vein has recently been discovered on a lot belonging to Dr. M'Arra and others. This mine is about one mile south-west from Auraria, on the Erowah River. We were at this mine a few days since; little ore had then been taken out, but what we saw gave external specimens of the wealth within. Col. H. W. Ruley made 95 dwts. of gold or a deposit with eight hands during last week. Messre. Moora and Kunnox have just opened a new vein on the Ezard let, which they suppose will yield 3 dwts. of gold to the bushel."

In Maryland a silver mine thad been discovered on a place called Red Hill, three miles south of Boonsbore. Specimens had been exhibited, but they had not been analysed. The Missouri Legislature had passed a bill to incorporate a body of advanturers, under the hame of the "Minmoth Mining Company," with a capital of \$400,000, for the purpose of mining,

smelting, and manufacturing ores, minerals, and metals, in the counties of Jefferson, Washington, and Franklin. The property of the company included a great number of mines, amongst which are mentioned the extensive lead mines in Jefferson county.

From this, and other discoveries of a similar nature, which we have had to notice during the last month or two, it would appear that the California manis has extended its influence to other parts of the American continent, setting the people to seek for gold and other mines. We shall, probably, hear of still more discoveries.

| Price | Price | Price | Price | Belvidere | £ 8 i 5 0 | Port Lincoln | £ 6 i 5 | Port Lincoln | £ 6 i 5 | Port Lincoln | £ 6 i 5 | Price Albert | 2 4 | Price Albert | 1 5 | Pr

By advices received from Swan River, it appears that reports had been circulated respecting further mineral discoveries, but it was questioned whether copper ore was to be found in the soil, former presumed specimens having been proved deceptive.

In directing attention last week to the projected undertaking for supplying water to the inhabitants of Amsterdam, we referred to the great desirability of its success, inasmuch as the supply of that necessary of life was there extremely deficient. Our remarks have called forth a letter from a correspondent, which appears in another column. It is to be regretted that important and useful measures should be frustrated by the savrice or miscalculations of their promoters. If men will act in a boad fide and cautious manner, they will always find their objects more easily attained, besides the satisfaction it will afford to themselves. We hope the directors of the Amsterdam Water-works Company will carry out their plans upon such principles. plans upon such principles.

#### STATISTICS OF COAL.

We have received a copy of a work under the above title, descriptive of the geographical and geological distribution of fossil fuel, or mineral combustiles employed in the arts and manufactures—their production, consumption, commercial distribution, prices, duties, and international regulations, in all parts of the world. The volume, which is voluminous, contains no less than 400 statistical tables, and 1100 analyses of mineral bituminous substances, with statistical statements of iron manufacture. It is from the pen of R. C. Taylor, Esq., F.G.S., and contains, in one volume, all the statistical matter relating to the coal trade, which will be found in various authors for many years past—a variety of information not to be found in any single work, and much that will not be found in any number of works, is here offered to those interested. The author has sought out and gathered together a great number of materials, to remedy a deficiency long complained of in this and other countries—viz.: authentic information, local, general, statistical, commercial, and scientific, on the subject of coal. This information is not confined to mineral coal alone; the vast deposits of the brown coals, or lignites, of a later geological epoch, so abunso long complained of in this and other countriess—viz.: authentic information, local, general, statistical, commercial, and scientific, on the subject of coal. This information is not confined to mineral coal alone; the vast deposits of the brown coals, or lignites, of a later geological epoch, so abundantly distributed, come in for their share of investigation, and justly so, as this description is a valuable substitute for the older coal, where there is a scarcity of the superior quality. Peat also is fully described and expaniated on; its inestimable worth in the northern hemisphere, where artificial warmth is so indispensable, properly dilated upon, with its adaptation to the manufacture of iron, production of gas, and numerous other full under the commerce—the coal series thus extending upwards from the manufacture of iron, production of gas, and numerous other full active of the compact anthracite. Nor is this all; unwilling to exclude any of the bituminous or resinous compounds, the author has introduced full accounts, as far as can be collected, of the solid bitumens of the tropics; the asphaltes of France, Spain, Syria, and other countries; the petroleum of Asia, of Birmah, of Persia, and Ava; the naphtha springs of Rangoon, Tartary, and Georgia; the amber of Pomerania, Saxony, and Siberia; the inellite, or honeystone, of Thuringia; and the retinites of England and Moravia. A number of these substances accompany the carboniferous formations; others arise from the midst of primary, metamorphic, and igneous rocks; while still more accompany, or are imbedded in, the lignite beds and tertiary coals of every part of the world. To render the series of combustibles complete, the author has even added official returns of the annual amount and value of the wood and timber furnished by the forests of France, Austria, the Tyrol, Styria, Illyria, Galicia, Bohemia, &c. A considerable mass of statistics on the manufacture of iron, as an accompanying return to coal, is also incorporated in these pages. The work also

duced to one language:-

duced to one language:—

"We take for granted that every one who may chance to peruse the summary of satisfies of mineral finel which we have embodied in the present section, will be impressed with the immerse importance of those substances, particularly as developed of fate years; now vessily enlarged it area and bulk of their, production in all countries; how easintied they now are to the centro of the human family; how much they have done towards the extension of the useful arts; how gloriously they have added the progresse of averation and improvement; how mighty are the results which have followed their increased application! For onreview, we may remark, that during the investigation into the goographical distribution of coal and the subordinate combestibles, nothing has struck us more forcibly than the abundant supply with which Providence has furnished the inhabitants of our globe, particularly in its northern hemisphers. We were astonished at the almost humberless positions where 'universities is a trained, we have brought fogether a nonrous mass of geological and statistical details, while exhibit an amount and quriety of fossil cembusilities which far exceeded our original expectations. We have seen now record in the latter of the combination of the providence of the existence of immens regions occupied by coal, and that every year new positions, new deposits, become known to the traveller, or are defined of intelligence has been acquired, yet much remains bolind. We are yet in the latter of intelligence has been acquired, yet much remains bolind. We are yet in the latter of the latter half containty, how much is yet to be investigated; how with the chapace yet untredded? how amplie the fields yet open to 'the scientific explorer! The last quarter

of a century has, more especially, been prolific in the discovery of the sites of useful mineral combustivies, and in the extended market line at discreption to the service of the community. Man has not only been taught increased facilities in adapting them to the useful arts, but practical science has appropriate him of the great value of substances heretofore accounted of little worth, yet inexhancibly abundant, and almost every where within his reach. He has acquired, for example, many new facts relative to the value of reach, hitherto amongst the humblest of the combustivies, yet the almost universal production of cold of temperate climates, and of segions which are entirely incapable of producing a growth of imber or of the largest plants. Independent of its applicability to the usual domestic and agricultural purposes, he has seen that it can be successfully applied for gas-lighting, for steam-engines, for evaporation, and for every branch of the iron manufacture, communically many manufacture, communically applied for gas-lighting, for steam-engines, for evaporation and for every branch of the iron manufacture, communically applied for gas-lighting, for steam-engines, for evaporation and for every branch of the iron manufacture; communically applied for gas-lighting, for steam-engines, for evaporation of received. Thus, in compensation for the absence of the supposed superior descriptions of fuel, coal for instance, Nature has been bountful of another, where most needed; and one, too, which, unlike fostions, is reproductive; always renowable and renowing. The fear, therefore, entertained by some theories, that the earth will be exhausted of its mineral combustibles, may be alleviated by the contemplation of that enormous supply of vegetable fuel, which prevails where eventually it will be most here deed."

Mr. Taylor then proceeds to show how vastly more profitable is the application of labour in mining for coal alone than in the precious metals. The annual production, according to Humboldt, of the gold and silver mines of North and South America was 9,243,000l., now only 5,000,000l.—while the value of coal in Great Britain alone is computed at the pit's mouth at 10,000,000l. per annum, and at from 15,000,000l. to 20,000,000l. at the various distant places of consumption. The value of iron brought into a manufactured state, through the agency of this coal, is 17,000,000l more. He then proceeds—

"We cannot but mark also the sussetor character and condition of the inhabitants of

more. He then proceeds—

"We cannot but mark also the superior character and condition of the inhabitants of the coal-producing and coasuming countries, such as those of the northern hemisphere especially since the introduction of steam-power, to that of the people of the southern and tropical latitudes, to whom coal has either been whelly denied, or is not applied to any use. The industry, scirity, moral culture, and intelligences, concentrated around any of the great depositories of coal and iron in the temperateregions—in the anthractic districts of Pennsylvania, for instance—have no parallel in the countries from which such treasure have been withhold. The two important mineral situatences—coal and fron—have, when made available, afforded a permanent basis for commercial and manufacturing prosperity. Looking at the position of some of the great depositories of coal and fron, one percelves that upon them the most flourishing population is concentrated—the most powerful and manufacturing to contributing to it."

We now conclude for the present, but not, however, without again and contributing to it."

contributing to it."

We now conclude for the present, but not, however, wishout again expressing our admiration of this valuable work—a collection of miscelfaneous information on the subject, which has long been a desideratum, and which must prove most acceptable to all engaged, or interested, in bituminous mineral property, and one from which, as before stated, we shall largely extract some of the more interesting portions, for the edification of our mining readers.

#### HIGH PRESSURE STEAM VENTILATION—PUBLIC MEETING AT NEWCASTLE.

HIGH PRESSURE STEAM VENTILATION—PUBLIC MEETING AT NEWCASTLE.

A public meeting, called by the Mayor, agreeable to a requisition, numerously signed, to take into consideration the awful calamities of fire-damp explosions, took place in the Guildhall, Newcastle, on Friday last, and was adjourned to Wednesday, in consequence of its being then stated that a deputation from some of the authorities interested in coal mines Mart and been sent to Mr. Gurney, to come down to that district, and who was then expected.

The Mayor said, the subject was so important, and as the colliery viewers, and other scientific gentlemen in the neighbourhood, had expressed their anxiety to have an explanation of the principle of the action of high-pressure steam in producing ventilation of coal mines, Mr. Gurney would come down, and, he was authorised to say would, on Tuesday, explain the principle by experiment. He, therefore, at the request of the parties, would adjourn.

The Neuccastle Courant reports the meeting of Tuesday at some length, detailing many of the experiments reported by us, which took place at the Polytechnic Institution a fortnight since, and which we need not again detail; an addition, there were many points of value bearing on the subject. The meeting was convened by the Mayor, of Newcastle, and took place on Tuesday last, at Mr. Coulthard's engine manufactory, Gateshead, for the purpose of receiving Mr. Gurney, and allowing professional gentlemen an opportunity of hearing the explanation relative to the principle of bigh-pressure steam sa motive-power for ventilation; un proceeding, commenced by explaining the reason why high-pressure steam was cold when escaping into the atmosphere—the solution of which, he said, involved at once the principle of its action as a motive-power for ventilation. The usual explanation hitherto given was, that high-pressure steam, was cold when escaping into the atmosphere—the solution of which, he said, involved at once the principle of its action as a motive-power for ventilation. The

by steam jets was calculated to be about 79,000 cubic feet per minute; but that quantity could be increased at pleasure, by increasing the amount of steam in power, or opening the jets.

Mr. ELIJOTT, viewer, Monkwearmouth, stated that he had just applied the high-pressure system to one of his mines, at Belmont, with absolute success; and that he had put out his furnaces, and was now working with naked candles in a pure and healthy atmosphere.

Mr. Gurney said that, with regard to the expense of working, it would not cost more than one-eighth, or at most one-sixth, in fuel, as compared to the expense of the hot-ni furnaces now in use.

The Mayor then proposed a vote of thanks to Mr. Gurney, and, in doing so, said, that he firmly believed that the subject under consideration was one of the greatest importance to coal mines introduced during the last century.

Mr. Nicholas Wood, of Killingworth, having seconded the motion, it was put and carried nanimously.

The subject of the ventilation of mines, especially with regard to this district, is of incalculable importance, and has long been a matter of serious consideration with some of the most able engineers and viewers for some time past. With regard to Mr. Gurney's plan, it is due to say, that where it has been made known, it has been received with tokens of approval. In addition to its value, as a means to prevent those sudden and destructive explosions in the mine, it is also conductive to the licalth of the miners, by drawing off the impare ain, especially carbonic acid, which is found in such large quantities in this district.

Society of Arts—Exilipation.—On Wednesday last, we went to inspect the specimens of British manufactures and descrative art, which have been reflected for exhibition at the house of the society; in the Adelphi. The great room had a splenflid appearance, being well lighted, and presenting such an assemblage of articles, in metal, glass, porcelain, &c., as, perhaps, has never been surpassed; while, in some antersooms, were displayed numerous specimens of a silt, lace, shawls, carpeting, &c. Among those which incre particularly, attracted our attention we may mention, the silver-gift centre piece, executed by command of her Majesty, from a design by Prince Albert, as a work of remarkable merit, and to which the testimonal presented by his Jewish brethren to Sir Moses Monteflore, to commonorate his mission to the East, forms a worthy companion; numerous racing cups, which are tolerably well known as evidences of the great artistic akil of their manufactures; an "Egyptian lotus," by Messrs. Gats; the "Dying Gladiator," and "Shakspear," by Mr. Hatfield; a "Knight on Horseback," by the Coelbrothedale Company; the "Exciled Mother," sealptured in white marble by W. Jackson; some specimens from the Gutta Percha Company; the Worester present of Oriental pierced China to Jenny Lind, manufactured by Messrs. Chamberlain; an inlaid marquateric door, by H. Bailis; some candelabra, by Messrs. Osler; stoves, by Mr. Pierce; wood carving of a geranium, by N. Swallow; a papier mache loo table, by Jennens, and Betterlige; Mr. Tennants contributions of black marble; and the work exhibited by Mr. Potts, of Birmingham, which made us regret that a room had not been devoted for such a display of his art as we lied the pleasure of inspecting some months stace, and noticed in our Jeurnal of the 18th Novi last.

#### foinal Correspondence.

Mn. G. GURNAT'S HIGH-PERSSURE STEAM VENTILATION.

Siz.—On the offin inst a meeding was convoised of numerous practical vibrates and other simulito persons, to witness the experiments, at hear vibrate and other simulito persons, to witness the experiments, at hear vibrate in grain of other prometers. The propriety of legislating in the affairs of mines, with a view of preventing those dreadful explosions, which, from time to stime, fill the public mind with deep sympathy. It is far from generally known that the House of Lords has been for some time ventilated by this same apparatus—viz. as antificial chinney is prepared of 3 feet square, into which are jost of steam are discharged, which are found to displace a surprise of the property of the property of a special control of adulterated air, whilst if draws after it are many and the property of the special control of the property of the special control of the property of the special control of the staff as a nearly as possible into equal sub-areas; the main pipe is furnished with a valve or story-eock, whereby the attendant can regulate to each jet a greater area than 2 searce. It may be sufficient to state, that to each jet a greater area than 2 searce. It may be sufficient to state, that a shaft 8 feet diameter, containing an area of 50 square feets, would require 35 jets of steam. According to the pressure of the steam will be the propertionate amount of ventilation, and all that is required is attendance upon the boller, so as to maintain it in burning the boller for with water by cooking the propertion of the steam of o

#### VENTILATION OF COLLIERIES.

VENTILATION OF COLLIERIES.

Sin,—Mr. Joshua Richardson appears to consider that the fact of the ventilating furnace, when placed at the bottom of the upcast shaft, ventilating the mine more efficiently than it does when placed at the top of the shaft, a sufficient reason for entertaining "grave doubts" of the efficiency of high-pressure steam, if applied at the surface, as explained by Mr. Gurney. Now, with all due deference to Mr. Richardson, I think that the failure of furnace ventilation, when applied at the surface, is no criterion for coming to the conclusion that he has done—indeed, the principles which govern the obtaining of a motive-power by heat, are directly opposed to those which govern the obtaining of it by steam. In furnace ventilation, the power which ventilates a mine is the difference between the heights of two columns of air—one heated, and the other at the natural temperature. The ventilating power is, therefore, proportional to the depth of the upcast shaft; and hence the greater efficiency of the furnace, when placed at the bottom of the shaft. In high-pressure steam ventilation, the motive-power is obtained by "pistoring" the air, as it were; it matters not, therefore, at what point of the upcast shaft this action commences, so long as care is taken to have a sufficient column of air above that point, to keep the current uniform; and Mr. Guerney says, in the South Shields Report, that 20 or 30 ft. is sufficient for this purpose. Indeed, it would appear that, to avoid the resistance consequent upon the condensation of the steam, as pointed out by "Carbon," in your Journal of last week, the best place for arranging the jets would be in a horizontal gallery, leading from the top of the upcast shaft. But it does not appear to me that it is a question of power which requires consideration. I am of opinion that, by the application of either the furnace high-pressure gallery, leading from the top of the upcast shaft. But it does not appear to me that it is a question of power which requires consideration. I am of opinion that, by the application of either the furnace high-pressure steam, or Struve's mine ventilator, a sufficiently strong motive-power may be obtained for the keeping of the mine safe, under all ordinary circumstances, if the air is properly distributed underground; but cases sometimes occur in coal mines, where, it would appear, no practicable amount of ventilation will prevent explosions, if naked lights are exposed—I allude to the sudden issues of gas called by the late Mr. Buddle "bays of foulness." The subjects which appear to require consideration, are the following:—I. Assuming that either the furnace, high-pressure steam, or Struve's mine ventilator, affords a sufficiently strong motive-power, which of them is best adapted to mine ventilation?—2. Which is the most efficient way of distributing, or "working," the air when underground?—3. Which is the best way of guarding against the sudden issues of gas mentioned above?—As regards the first question, Struve's mine ventilator appears objectionable, on account of the liability of all machinery to sudden stoppage from accident. It has been said, in case of accident, put on a waterfall in the downcast shaft, as they are obliged to do occasionally in the north of England, when repairing brattices, &c., in the upcast shaft; but I would remind those who make such suggestions, that when a waterfall is resorted to, care is taken to have all naked lights out of the mine. In the most dangerous collieries in the north of England, it is well known that, in case the sir is suddenly cut off in less than half-an-hour, the mine becomes so foul as to fire in almost any part of it, if naked lights

mine becomes so foul as to fire in almost any part of it, if naked lights are exposed.

Ventilation by high-pressure steam is objectionable for the reasons stated above, but not to the same extent as that by machinery. On this subject the South Shields Committee says:—"The objection seems more tenable against a fan apparatus, air-pumps, or other mechanical means, in which machinery is in powerful and rapid motion, than against steam ventilation with the furnace, is which no such action, exists." Ventilation by the furnace, is which no such action, exists." Ventilation by the furnace appears to be less objectionable than that by either of the other means. It will produce the steadiest current of air, and will, as I said before, be sufficiently powerful for the keeping of the mine safe under all ordinary circumstances. It may be denied by some that the furnace is sufficiently powerful, but I may mention an instance of furnace ventilation, which will furnish some key to its power.

In the Haswell Colliery, after the explosion in 1844, it was found that 75,000 cubic feet of air per minute was passing through some of the most extensive workings in the north of England, and where, in consequence, the resistance must have been very great. This quantity was obtained by means of two furnaces placed at the bottom of the upcast shaft, which was only 9 ft. 6 in. in diameter; (see evidence on Haswell explosion). The mean temperature of the upcast shaft at the time, I believe, was about 108°. Now, it does not require much stretch of imagination to conceive, and perfectly with reason, that an upcast shaft might be made of much greater area, and that its mean temperature might be raised much beyond 108°, and that, in consequence, a much greater motive power might be obtained, if necessary. As regards the second subject. Excepting the north of England, perhaps no department of mining is more defective than that which belongs to the distribution or working of the air underground. In the north of England, from the great difficult

#### ON THE VENTILATION OF MINES.

ON THE VENTILATION OF MINES.

Sir,—In your Journal of the 10th inst., you gave an interesting account, from Mr. J. Richardson, C.E., of Neath, of what he is pleased to call Mr. Struve's new mine ventilator. It will, however, be in the recollection of yourself, and probably of many of your readers, that the ventilator alluded to was stated by Mr. Cadman and myself to have been introduced into this country by Mr. Taylor, upwards of 30 years ago, who, I believe, received a prize for it from the Society of Arts, to which we find an allusion in your Journal of the 17th inst., in a letter from Mr. Evan Hopkins. I now call attention to this subject with a view to impress more seriously upon the minds of the public, that a large proportion of the accidents which have arisen from the want of proper ventilation in coal mines would in all probability have been prevented, had the best means see already have in our power been more generally adopted, and that our great deficiency in that respect takes its rise in the want of a competent authority—first, to judge of the merits of the various inventions brought forward, and next, to enforce their use under proper regulations. After 35 years' experience in coal mining, I have long ago come to the conclusion, that the most effectual mode of ventilating mines is by steam or water-power applied to the purpose of drawing the air out, either by the air-pump or by a fan, the latter of which was the subject of a paper I read before the West Riding of Yorkshire Geological and Polytechnic Society, at a meeting held in Leeds, about five years back, as having been applied by Mr. Furness, of Leeds, to some of the coal mines in the neighbourhood of Whitehaven. Whether of the two modes in question is the better may be easily ascertained and decided by experiment, and that, or some other more effectual means, certainly wants making more generally known, with a view to its adoption.—Henry Hartor: Bamborough Hall, Rotherhum, March 22.

#### VENTILATION OF MINES.

VENTILATION OF MINES.

SIE,—A paragraph in your Journal, of the 17th instant, which has just reached me, states that "the hood or cowl, self-acting, over the upcast shaft, of which I claim the invention, but generously dedicate to the public, has been used in the collieries of the north of England for at least 20 years." As my only object in this matter is to give my aid to humanity, however lar district of the north the method of ventilation I propose has been adopted. I have been in the pit districts of Durham, of Scotland, of Yorkshire, and of Derbyshire, and have never seen anything of the kind used; I have also made inquiries concerning the mode of ventilation used in Wales, not only in coal, but in other mines, and my informants have invariably told me that no such method has been adopted; but if you can point out where it has been used and failed, the time and money I have spent are lost, and no injury results to any but myself; but I am happy in the idea, that in this district the method which, as you are aware, does not consist of a hood for the upcast shaft alone, has not before been heard of, that the coalowners think there is great value in it, and are erecting permanent ones, the canvas and temporary ones which we have tried answering most fully my expectations; and it is, moreover, the opinion of all that are conversant with the subject here, that had these ventilators been in use previously, no accident would have occurred at the Darley Main Colliery, I am in correspondence, also, with several gentlemen in the north interested in mines, who, I am sure, would have told me if any similar plan had been adopted, as well for the downcast as the upcast shafts, and will kindly tell me where, and to whom, the mine belongs, I shall be satisfied. I will forward models to your address, the one for the working shaft; where that is the only downcast, is not ready, but it also shall be forwarded soon. You have no doubt observed, that these explosions occur during a stormy season, and the cause, I think, is obv

high, rarefied until it was of only half the specific gravity of the surrounding atmosphere, will yield a draught, or pressure, of only about 4 lbs. to the square foot; and were its power applied to produce mechanical effect, the utmost that could be accomplished by every 100 ft. of such sir, in a shaft 100 ft. high, would be to lift 4 lbs. that height; but the heat that would be necessary to rarefy the air to that extent, would convert about 50 cubic inches of water into steam, which, if generated at a moderate pressure, and used economically, would lift at least 2000 lbs. the same height. In the best of present arrangements, full one-half of the heat that is, or ought to be, evolved by the combustion of the fuel in the furnaces of steam-boilers, is wasted, or allowed to escape up the funnel, or chimney, for the purpose of obtaining a draught or supply of air. In the course of a few weeks, publicity will be given to arrangements by which the whole of the heat that is evolved in the furnaces of all kind of steam-boilers, may be usefully and economically applied.

March 20.

An Engineer of the Next Generation.

#### SAFETY-LAMPS-ARGAND BURNERS.

SAFETY-LAMPS—ARGAND RURNERS.

SIR,—As so much interest is very naturally excited by the late explosions, and so many suggestions appearing in your valuable Journal for preventing the awfully frequent recurrence of such catastrophes, I should feel greatly obliged by your again calling attention to my proposed Argand safety-lamp, as described, accompanied by a diagram, in the Mining Journal of Feb. 19, 1848. The space you have devoted to this important subject, must fully convince your readers of your anxiety for the permanent safety of the working miner; and I feel satisfied the introduction of the Argand burner to the safety-lamp would be of great benefit to the collier, his light would be increased, and explosions, in a great measure, rendered next to impossible, especially if perfect ventilation be universally carried into effect.—G. Shepherd, C.E.: Totaes, March 20.

[We willingly concur with Mr. Shepherd's request. The following is the

[We willingly concur with Mr. Shepherd's request. The following is the agram and description alluded to :—



s-A false, or double, b

b—Small brass pillars, to which the two rings, a a, are united.

e-Wire gauze, which is soldered, or ri-vetted, to admit air to the burner.

d-The Argand orifice.

e—Four small tubes, to admit air to the outside of the burner.

/-Section of lamp.

g-The cotton wick.

A-Oil receptacle.

i-A small serow to raise the cotton.

The upper part of the lamp is proposed to be on Dr. Clanny's plan. The false, or double, bottom should have sufficient depth to admit a large portion of air to the flame. Perforated sheets of brass, or copper, would be preferable to wire gauze; and a transparent sheet of tale, or Muscovy glass, should surround the glass chiuney, which then, in case of breakage, would still prevent the flame reaching the explosive atmosphere.]

#### HORSLEY'S SAFETY-LAMP.

Sir.—In regard to my lamp and letter, which I think the mining interest generally will thank you for publishing, convinced as I am of its superior safety compared with other lamps, it has occurred to me that the main tube, which I have proposed for supplying the lamps with fresh air from the shaft, may be made to comprise everything sacful by way of help; for instance, a wire connected with a bell at the top may be passed down, and a handle attached to ring it, so as to call attention to the parties below, who are desirous of procuring, or communicating something, by speaking through the tube, for which purpose it is only necessary to have a monthpiece and slide-valve attached, and the rising this will not at all interfere with the lamps; besides which, the fresh air from the main tube may be used as a resuscitant in case of illness, or semi-poisoning, by the inhalation of the vitiated air of the mine; in that case a mouthpiece, with an inspiratory and expiratory valve, will be necessary.

MINITER: SAFETY LAMP

#### MINERS' SAFETY-LAMP.

MINERS' SAFETY-LAMP.

Sir,—Mr. Horsley, like Mr. Crane, in recommending his lamp to the notice of the public, forgets that colliers require good air to breathe in as well as light; he ought to have suggested also, that each man, as well as his lamp, should be furnished with a respirating guita-percha-pipe. Another set of pipes, terminating with bell mouths at the stalls, to communicate signals; by this means the poor colliers would not only enjoy Mr. Horsley and Mr. Crane's new lamps; but also be able to communicate to their inquiring friends above; that, although they were deemed to work in the inflammable regions below, yet they had the pleasure of enjoying the gatta percha pipes, smoking fresh air, as it were, in groups not very unlike the Turks, in their respective stations. When we consider how difficult it is to get proprietors to lay down small gas pipes, even from an exhausting machine along the main levels, with small branch pipes to those various recesses which are beyond the reach of the ordinary ventilating current, so as to obviate the necessity of the asfety-lamps, it is not very probable that they will listen to the numerous absurd, complicated, and expensive methods proposed by those who know little or nothing of underground operations.—Evan Hornins: London, March 22.

## ON THE EXPLOSION OF BOILERS.

ON THE EXPLOSION OF BOILERS.

Sin,—Excuse my calling your attention to the fearful loss of life occasioned by the frequent bursing of steam-engine and other boilers; a considerable portion of these accidents are caused by the defective arrangement of the feed-pump and escape-valve, and notwithstanding an effectual remedy for both has now been made known for many years, yet numbers of feed-pumps and escape-valves are constantly being made equally defective as before, which would not be the case had there been a proper authority to have judged of and enforced the remedy.—H. HARTOP: March 22.

### IRON LADDERS FOR MINES

are conversant with the subject here, that had these ventitators been in use previously, no accident would have countered at the Darley Main Colliery. I am in correspondence, also, with several gentlemen in the north intersected in mine, who, I am sure, would have told me if any similar plan had been adopted there; at the same time, if you know that the plan I propose has been adopted, as well for the downcast as the upcast shaft, and will kindly tell me where, and to whom, the mine belongs, I shall be astisfied. I will forward models to your address, the one for the working shaft; where that is the only downcast, is not ready, but it also shall be forwarded soon. You have no doubt observed, that these explosions occur during a stormy season, and the cause. I think, is obvious; now, place a ventilator, or conductor (if the name be more applicable), over the downcast shaft, with its mouth to the gale, and let any one deny that the air would not find its way, and rash through every part of the mine, exprising any hydrogen and its compounds up the upcast shaft.

The limits of a letter will not allow me to onlarge much on the subject; but I would respectfully remind those who appear to invite Government supervision, of the Israelities who demanded a king. The loss of life its exprised in a supervision of the Israelities who demanded a king. The loss of life its expression and the net the condowners and coalviewers choose the orned the standard of the description of the results who demanded a king. The loss of life its results and then let the condowners and coalviewers choose the orned to the order of the well and the standard pounds may be of no moment to some of the wealthy coal proprietors in Durham; but many smaller fields could not be worked, if a great outlay for ventilation and supervision were required.—Grouge Durks: Doncaster, March 21.

The paragraph referred to by Dr. Dum, who will, no doubt, reply to this communication next week. In the meast of the public are not a bit the less due to by Dr. Dum, who w

t 4 lbs. to cal effect, air, in a heat that ert about moderate the same the heat the fur-

e explo-rnal for I should

In the y which of steam-

perma-ction of t to the neasure, versally

ell as

g is the the two

at the sh air help; down,

An-mu-njoy icate

ith nat ng

ATTON.

would soon weat loose and turn tound when fixed in. A shoulder is thus formed on either end of the stepping rods, which enables the side bars to be acrewed up light against the steeps, and so makes the ladder firm and strong. Iron ladders may be constructed of various lengths and strongths, to suit circumstances. Short lengths may easily be bolted together, and in this way a continuous ladder for the deepest mines can be made; or short ladders can be placed one after the other on landings or stages, as usual. The wrought-iron will, of course, rust, but will not wear out for a very long time. I recommend, then, that iron ladders be henceforth used in all mines, instead of wooden ones. It is my sincere belief that their use will give increased security to the miner.

I would likewise beg leave to saggest to military men the expediency of constructing scaling ladders of wrought-iron; such would be very portable, safe, and strong; they could neither be consumed by fire, nor cut through with a sword. Finally, I would submit it to your wealthy readers, whicher it would not be expedient to offer a premium to the mine that should first adopt iron ladders throughout. A premium called forth Mr. Loam's lifting machine. Might not, then, a premium called forth Mr. Loam's lifting machine. Might not, then, a premium called forth Mr. Loam's lifting machine. Might not, then, a premium called forth Mr. Loam's lifting machine. Might not, then, a premium called forth Mr. Loam's lifting machine.

THE USE OF ANTHRACITE IN LOCOMOTIVES.

Suz.—Some interesting discussions have recently appeared in your Journal on the use of anthracite he a steam-coal; the results of the experiments have been variously stated, and the successful application of this fall for such is purpose has been questioned, if not disproved. The subject is an important one—not only as regards the district, in which an immense quantity of it may be obtained, but as probably conducing to a diminished expenditure in the full required for eigens and manufacturing purposes. Your correspondents have principally treated on authracite as a substitute for bluminous coal in settem-boats and, from the communication of "Flame," it appears that it is unsuited for such a purpose, having been unsuccessfully tried in a steam-boat and, from the communication of "Flame," it appears that it is unsuited for such a purpose, having been unsuccessfully tried in a steam-boat and the flames. Tour correspondent says—"I have seen many experiments tried; but never, except in one instance, as with a strong and tively flame produced from authracicit coal, which is so essential to the rapid guaration of steam." If such a flame was indispensable, the failure of anthractic improdusing it might have been anticipated, for one of its chief-characteristics is its non-production of flame. As a substitute for raw bituminous coal its successful application is very doubtful, but it may probably be advantageously such intend of, and in conjunction with, cock. In the Civic Hopfines' and Architect's Journal of Maj, 1839. Mr. Toppercorn says— A short films since, a trial of antifractic was made unter the sanction of the directors of the Liverpool and Manchester Railway, and be following is the epot of the engineer of the conjunct, the same engine for the engineer of the conjunct, and acquired a speed of 21 wills and hour thin a load about the latest of the same engine for the engineer of the company and the same engine for the same engineer of the same engineer of the same engineer THE USE OF ANTHRACITE IN LOCOMOTIVES. Sin, - Some interesting discussions have recently appeared in your Journal on the use of anthracite as a steam-coal; the results of the experiments

CORNWALL RAILWAY.

the stention of the directors, engineers, and managers of raisways.

North, March 20.

CENN ALL RAILWAY.

Six — At the measing of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the Railway Company, held at Trury, and the stenting of the Cornwall Railway Company, held at Trury, and the Railway Company, held at Tru

by small contracts; and the magistrates and others in the neighbourhood of those works say they never had less trouble than with the most thus employed. The contracts I have made have been generally carried out; and, though they have been small contracts, I have had the work in general faithfully discharged. I do hope, therefore, that, when we recommence our works, we shall have Cornishmen to execute them, and that the work will be executed at Cornish prices; for, from the experience I have had, I see nothing in the construction of a railway that will warrant us in getting strangers to execute that work at double the sum we ought to pay. I have done something in the way of railway undertakings; and I purpose, at the next meeting, to lay a statement of the expenses before you, merely to show what can be done for little money." In no works whatever besides is there such a recklessness of outlay as in railways, for which no just reason can be assigned. We have often heard of extravagance in mine works; but I hever knew a mine in which such waste of money has been committed, for the same quantum of work, as on this railway. I have much confidence in such a gentleman as Mr. Treffry; and I hope that, ere the directors order any further works, they will "take a leaf out of his book."—A Readers. March 15.

PARAGRELES ON RAILWAYS.

CANDLES.

Sir.—I have been informed that what are called "decimal candles" have a metallic wick of bismuth, and sometimes prove deleterious to health, from their yielding arsenical vapour. Other candles, that require no snuffing, from their more perfect combustion, have their wicks previously steeped in solution of nitre, or chlorate of potasse, as first recommended by me in the Edinburgh Philosophical Journal, more than twenty years ago.

Portland-place, Hull, March 20.

J. MURRAY.

"NARROW ESCAPE FROM SUFFOCATION."

"NARROW ESCAPE FROM SUFFOCATION."

Srr.—In a paragraph in your last Number, which is thus headed, the all but fatal effects are ascribed to "sulphurous gas"—a most erroneous supposition. Anthracite is found in Wales, and the products of its combustion are carbonic acid gas and carbonic oxide—both act as 'narcotic poisons on the brain, and soon suspend the vital functions. The agency of carbonic oxide, from its being more subtile than the other, is, perhaps, the more promptly fatal of the two, though the least suspected.

A precisely similar occurrence took place some time ago among the shipping in the port of Hull; but the issue was fatal, for the entire number irrecoverably perished. In cases of apparent death from such causes, cold water should be thrown on the body, and poured from a pitcher on the back part of the head, and the usual excitants and stimulants employed. Portland-place, Hull, Marck 20.

[We wrote the paragraph alluded to by Dr. Murray from the information af-

Fortunad-place, Hall, March 20.

[We wrote the paragraph alluded to by Dr. Murray from the information afforded us, that the coals were a highly sulphurous, bituminous coal from Wales, and not Welch anthractic. Still carbonic acid, or carbonic oxide, might have formed part of the narcotic vapour, but not to the extent which would have been supplied by anthracite.]

THE GOLD EXPERIMENTS-ALCHEMY.

SIR,—I had supposed that the dreams and visions of the "philosopher's stone" were "over and gone," and that we, in this nineteenth century, had been too much linked to stern realities, than to be led astray by these phantasies—the gilded bubble of a visionary's brain.

California appears, however, to be the watchword which seems to recall the "good old times" of Basil Valentine, Van Helmont, and Paracelsus. There was an old visionary, who died, I remember, some years ago at Hereford, and who had spent the latter years of his life underground, tending his alembies and his crucibles with pious care, and, like the vestal virgins, fanning the "sacred flame" of a false and rictitious hope. When he died, I had concluded that the last of his race had expired. The sakes of his crucibles, and the caput mortuum of his alembies alone remained—the monuments and memorials of his folly!

monuments and memorials of his folly!

I am anazed at two of the communications which have recently blazoned your pages, to which that from Liverpool is an able "commentary!" These writers cannot be in earnest—though, as a joke, it is, perhaps, well enough; but men now are too wide awake to be so easily cheated of their senses. Genuine gold can only possess one uniform colour; but we have "deep gold" and "pate gold"—it is so with reference to gold leaf—these cannot be the same; it is probable that platinum is present in an almost infinitesimal amount in the latter. Platinum is the frequent accompaniment of gold, and, like it, is only soluble in a solution of chlorine.

I remember that Mr. Cooper, some years ago, formed an alloy of copper and platinum, so much resembling gold, even in its specific gravity, that it was feared it might be substituted for it. The famous controversy with Dr. Brown, on the question of the identity of carbon and silicon, should make us cautious as to the vague and unmeaning assumptions and absurdities referred to.—J. Mushay: Portland-place, Hull, March 20.

GOLD EXPERIMENTS.

Sin,—I was much gratified by the perusal of two articles, signed "N.," In your Journal of the 17th inst.—I need not say more particularly so by that referring to some experiments which appear to have been conducted on a principle very similar to my own. I hope soon to be in communication with "N." on the subject. In another part of the same paper is an extract from the Liverpool Albion, stating that an ironfounder of that town had discovered a method of converting iron into gold by the ton weight, or, indeed, to any extent. I should have been a good deal startled by this announcement, had I not perfectly remembered a similar one having been made many years ago. It was found to have originated in the deposit of a peculiar kind of iron pyrites in the crevices of a blast-furnace, and, without further particulars, it is impossible to say whether the present one may not eventuate in something similar.

As regards my own discovery, having tested the metal in every possible way. I have not the slightest doubt as to the fact of the conversion of another substance, or substances, into gold; but many experiments are yet required to fax the precise materials and conditions essential to success; those experiments it is not in my power to undertake. I do not at present know whether the process was completed in six months, or six years; it is very possible that, when properly understood, it may be conducted in a few weeks, or even days; yet the determining of that fact, though involving the expenditure of but little money, will require a devotion of time and attention incompatible with the only means which I possess of obtaining a present subsistence. It is therefore, my intention forthwith to only

judging of the nature of their deliberations on the subject I have alluded to by the publication of some portion of their proceedings. As a great admirer of the society, and a firm believer of the vast benefits it is calculated to confer by a steady yet spirited pursuance of the objects originally contemplated, it is with sorrow I have felt called upon to allude to the existence of a division in the council, by, having previously experienced the beneficial tendency of similar public comments, I am induced to hope that the council may be aroused from their apathy, boldly release themselves from ties by which they are entranmelled, and enter on an earnest and faithful system of management.—R: Trefulgar-square, March 20.

TREATIES OF COMMERCE AND PATENT LAWS.

SIR,-I am sure that none of the readers of the Mining Journal, after ly openly avowed opinions upon the subject of the Patent Laws, will

Sir.—I am sure that none of the readers of the Mining Journal, after my openly avowed opinions upon the subject of the Patent Laws, will suppose that I am such a supporter of the rights of the patentee as to desire to see them advanced, even to the detriment of the public interest; but, however tenacious I may be that the public property be respected, not-withstanding the claims of the inventor and the patentee, I cannot pass over, without comment, the remarks which appeared in last week's Journal, under the title of "Treatise of Commerce and Patent Laws," based, I presume, upon one party's version of the case, in which it appears to be argued, that whenever a patent monopoly shall prevent the importation of foreign goods, such monopoly ought to be considered void—a doctrine that, I think, few persons would give a hearty assent to, seeing that, should it be carried out in practice, a patent might "depart these realms," establish a manufactory in mother state, and import the patenced articles into this country with impunity.

With regard to the cuse which gave rise to the remarks adverted to, conceiving it, as I do, as proceeding from one of the parties only, it appears to mothat with that self-deception very common to persons when treating their own case, they have fallen into some serious errors—thus, much is said about monopolies being repugnant to law, and about articles manufactured abroad being "legitimate articles of importation," all which is true enough; but other trulls must be taken in connection with them, as, that monopoly patents for new inventions are perfectly legal and valid, and that articles, though imported into this country, must be subject, of course, to the municipal law thereof, and, consequently, to the rights of inventors and patentees.

But it will, perhaps, be said, that a patent for an invention that is already notoriously in exercise in another country, is not a patent for a new inventions and patentees.

But it will, perhaps, be said, that a patent for an invention that is common l

AMSTERDAM WATER-WORKS.

AMSTERDAM WATER-WORKS.

Str.,—Trusting to your indulgence, I am induced to call your attention, and, through you, that of your readers, to a company lately projected for the supply of water to Amsterdam, and styled the Amsterdam Water-Works Company; not, however, with the view of creating undue prejudice against the undertaking, but rather of leading the public to inquire into the arrangements between the concessionaires and the promoters with the directors (whose acts are binding upon those who may become shareholders), the extent of the obligations afterady incurred; and supposing the works, contemplated to be hereafter carried out, the annual charges upon the revenue, as to the abstract ments of the scheme itself.

Experience, Sir, has, or ought to have taught us prudence in meddling with foreign companies. It is not so long since thar experience was dearly and saily bought that ic can be forgotten already; and if it would dictate one thing more than another it is a spirit of inquiry—a love of the old axiom, "look before you leap." We should investigate the behind-the-scene arrangements—see and judge for ourselves of the probability of the assumed results, if a certainty cannot be arrived at, instead of handing our judgment away with our money to other folks keeping. I suppose it must have been chance, but so it has been, that most foreign companies of greatest promise, or paper, have proved the greatest failures, and thus the idea has been raised in one's mind that, in the calculations of the promoters of these companies, "the wish was father to the thought."

So much, Sir, for generalities; and now to the matter in hand. The supply of pure water to a city so devoid of this necessary of life as Amsterdam, looks well and seems to promise well, and, as fir as I can judge, is perfectly feasible, provided the cost is not too great, and the arrangements of the volve of the concessory, which the propectus, is satisfied with all that has been done by the butten of the supplier of the sound of the propectus, it is

RIDER'S RAILWAY BRIDGE.—This BRIDGE, BUILT ALBION PLATE GLASS COMPANY.

BRIDGE, of 100 agas, for a double track railway, broad gaugo—Frice 2000.

A BRIDGE, of 100 agas, for a double track railway, broad gaugo—Frice 2000.

A BRIDGE, of 100 agas, for a double track railway, broad gaugo—Frice 2000.

A BRIDGE, of 100 agas, for a double track railway, broad gaugo—Frice 2000.

Capital 250,000, in 2000 abares, of 250 cach, with power to increase to 2150,000.

The demand of the North-Western States of the Zellowski Park abare.

The demand of the North-Western States of the Zellowski Park abare.

The demand of the North-Western States of the Zellowski Park abare.

The demand of the North-Western States of the Zellowski Park abare.

The meant awarese current price, in Westphilids. RIDGES at a reduction on cost of from one-half to two-thirds.

Apply to S. MOULTON, Patentee, Bradford, Wilts, shoon, Suffeik-lame, Thames-street, London. CUNNINGHAM AND CARTER'S NEW SYSTEM OF
RAILWAY PROPULSION.—Railway Directors, Engineers, and the public genorally, are invited to examine this system, while may be VIEWED on Mondays, Wednesdays, and Sintralays, from half past Eigens to Three o'clock, at Ingram's Manufactory,
The following is a service of the control Solution of the stationary engines of 100-horse power each at 5 lbs per horse-power per bour each (say, 11 cm, 12 60

....£30 0 0 Forty trains, at 15s. per train—£30, being a fraction over 3id. per train per mile spendent of a saving of one-third of the present expense in the maintenance of way.

CWMBRAIN PATENT IRON REFINERY.—The PROPRIETORS of IRON FORES and MILLS are respectfully INVITED to MAKE TRIAL of Mr. BLEWITT'S REFINED IRON, or METAL, PREPARED by a NEW PATENT PROCESS, whereby the IRON is completely FREED from the IMPURITIES CONTRACTED in the BLAST-FURNACE, and, by judicious mixtures, rendered applicable to every kind of manufacture. Heretofore, the metal usually sold in the market has been produced from he worst pigs, scraps, and refuse of some particular biast-furnace, or set of furnaces, without any mixture, or any regard to quality, or the purpose for which it might be required. The PATENT METAL is PREPARED ON SYSTEM, and TO ORDER, for any of the billowing purposes:—

1. For BOILER and TANK-PLATES.
2. For STRONG CABLE BOLTS, RIVET, and ANGLE IRON.
3. For STRONG CABLE BOLTS, RIVET, and ANGLE IRON.
4. This COMPOUND PUDDLED, beat under the hammer into a bloom, reheated, and rolled into a 6 or 64-inch bar, makes TOPS and BOTTOMS for FLANCH and OTHER RAILS, of very superior quality, and attended with less waste than any other kind of iron used for that purpose. It is also well adapted for mail-rods, horse-shoes, and for other ordinary uses of the blacksmith.

The PATENT METAL is marked with a squirrel, and the initials "R. J. B.,"

The PATENT METAL is marked with a squirrel, and the initials "R. J. B.," and is to be had only at the "Cwmbrain Iron-Works," near Nowport, Monmouthshir

JAMES BOYDELL, LAND, MINE, AND MACHINERY VALUER, AND AGENT,
No. 54, THREADNEEDLE-STREET, LONDON,
Has to DISPOSE OF a large quantity of STEEL and MANUFACTURED HARDWARE,
now warehoused in London.

Several valuable PATENT RIGHTS, some of which have been profitably worked.

A PRESTONE QUARRY, in North Wales, from which, on account of its quality, the small cost of getting and working it, and its proximity to the sea, London may be supplied at lower prices than those now raling for much inferior stone, and a large profit

An IRONSTONE MINE, likewise in North Wales, worked open cast, close to a shippin

An IRONSTONE MINE, likewise in North Wales, worked open east, close to a shipping port, and now in profitable work.

The LEASE of a very celebrated FOUNDRY and ENGINEERING ESTABLISHMENT, on the River Dec, complete, with fixtures, machinery and tools, in working order, and ready for any parties to embark at once on building first-class from steam-vessels, and marine and locomotive engines.

The above will be found worthy the attention of any parties desiring to invest money. In a profitable business, as they will be disposed of upon terms which will ensure an unusual roturn to the purchasers off-tiem.

J. BOYDELL has also at his DISPOSAL a RESIDENCE and LANDED PROPERTY in SHROPSHIRE, which is in a good neighbourhood, and which (a large portion of the land adjoining the house being of a mest picture-sque character, and well timbered, with a streamlet running through it) might be made a country residence for any nobleman or gentleman, such as but few in the kingdom would bear comparison with.

Entirelysis of the above may be had, upon application, at 54. Threadneedle-street.

ECONOMICAL STEAM-ENGINE—Surpassing the Cornish.

CRADDOCKS PATENT DOUBLE CYLINDER HIGH-PRESSURE
EXPANSIVE AND CONDENSING ENGINE.

Alike ADAPTED FOR MARINE, LOCOMOTIVE, AND STATIONARY PURPOSES.
BOILER.—Tubular, free from deposit, and perfectly safe from explosion.
ENGINE.—Not half the weight or bulk of ordinary eagines.

FUEL.—Not half that required by the best engines of the common kind.

WATER.—Under one gallon per horso-power per day of 10 hours, for all purposes, with air as the medium of condensation:
These engines are exceeded at a commaratively triffice arranges and are all the second of the common kind.

atively triffing expense, and are easily worked.

TWO 40-horse power ENGINES, suited to condens
ONE 25-horse power ditto ditto
ONE 14-horse power ditto ditto A PAIR of OSCILLATING MARINE ENGINES, of 10-horse power.

A PAIR of OSCILLATING MARINE ENGINES, of 10-norse power.

PRICE.—220 per horse-power.

Tasse engines are quite new, with bedier, condenser, and regulating damper—all got p in the best and simplest manner. They are much simpler, and almost beyond commarison more compact than the Cornish underson, and the consense it than even hose engines, yet the price of the Cornish is nearly double that at which these are of red.—Parties wanting engines will find in the above good bargain.

Apply fo Thomas Craddock and Co., singineers, 35 and 35, Broad-street, Birmingham, there singines on the above principle may be seen at work.

Also ON SALE, THREE 4-horse HIGH-PRESSURE ENGINES, simply arranged, and relig of up.—Price £13 per horse-power.

O ENGINEERS AND BOILER MAKERS.—The BIRMINGHAM PATENT IRON TUBE COMPANY NUFACTURE PATENT LAP-WELDED IRON TUBES (under Mr. R. Prosser's ent) for Marine, Locomotive, and all Tubular Boilers. Also, TUBES for Gas, Steam, other purposes. All sorts of IRON GAS FITTINGS.

WORKS—Smethwick, near Birmingham.

LOYDON WAREHOUSS—No. 6, Upper Thames-street.

ORTER'S PATENT CORRUGATED IRON BEAMS, GIRDERS, and FIRE-PROOF FLOORS,—These BEAMS and GIRDERS are nout 30 per cent. Lehaper, than say others of wrought-iron.—
be FIRE-PROOF FLOORS, although not more costly than those of cast-iron, with fick arches and concrete, give greater security from fire, with less than one-tenth of the night.—MANUFACTORY—IRON BUILDING & ROOFING WORKS, SOUTHWARE, OFFICE—2, ADELAIDE-PLACE, LONDON-BRIDGE, CITY.

DATENT MINERAL PAINT.—After three years' trial on the sides and bottoms of iron and timber-built ships, this PAINT has proved itself equal to copper as a protection from vegotation, as well as the sea-worm and all other adhesive matter. It is also peculiarly adapted for spouts and cultivers, iron railling, felt or wooden rook, tarpaulings, damp walls, or any other surface that requires to be mystewaterproof at a small cost, and is ready for use, in casks of 2 to 90 galfons.

EMERSON'S PATENT LIQUID CEMENT.—This valuable and seconomic PAINT is so adhesive, that it will cling to any surface—brick, Roman cement, and all other plastered work; and, being a rich cream colour, is more pleasing and natural in appearance than 01, and at an eighth of the cost. It is ready for use, will dry in a few hours, and possesses the property of protecting the walls as well as Roman cement. Sold in casks of 1 cwt. 2 cwts. and 3 cwts. at 48, 16s., and 21s. per cask.

GEO. LEAR & CO., Sole Agents, 16, Basing-lane, Cheapside.

DATENT ALKALI COMPANY'S METALLIC PAINTS.

COLOURS—BLACK AND PURPLE BROWN.

These paints (the products of a patent process), possess peculiar and valuable properties of otherwise attunable, and are, perfectly free from the deleterious qualities of whitesol. They surpass all other paints ever yet discovered in point of DURABILITY and 
COMONT; two coats being more than equal to three of any other description. From 
edir disemical composition, they are pre-eminently adapted for covering IRON; also 
IUCCOED or BRICK BUILDINGS, and every kind of WOOD WORK. The process

which the base of these paints is produced, makes it impossible that any changes should 
be place in their composition from atmospheric influence. Their identity with from 
curse them from gaivanic engine, so satal to the durability of lead and other paints and

They have been expessed on SHIPPING to the action of sea water, and of the snippli-titled hydrogen so prevalent in sea ports and tidal harbours, for more than THREE EARS, without change.

, without change.

\*\*CHEAPPHESS and STEENGTH render them pecularily eligible for HONES, BOOFS, and RAILINGS, FARM BUILDINGS, and SHIPPING.

\*\*ENOPEN, and RAILINGS, FARM BUILDINGS, and SHIPPING.

\*\*Compound metallic BLACK PANT (the only metallic black paint of any value in se), which will be found to act as a most valuable preservative when applied to ann-boats, and wooden vascels. It also forms a beastiful covering for STOVES,

on steam-boats, and wooden vessels. It also forms a beautiful covering for STOVES, dis susceptible of a high polish.

Several ministrons of the Patent Alkali Company's paint having been sold under the size of IRON PAINT, the directors of the company down it necessary to cantion the liblic that no other iron paint'ts granine, or partakes in any degree whatever of the operaties of the company's paints, the base of the latter being obtained solely by a series processes, which are protected by the company's patents, and to which slone is owing six extraordinary body or covering bower. Numerous and most satisfactory testimonials

or of the agents.

Price, by the ion, £25, delivered in London or Liverpool, exclusive of packages.

Price, by the ion, £25, delivered in London or Liverpool, exclusive of packages.

To be obtained exclusively or application to the accretary, Mr. J. A. West, at the offices of the company, 20, Fenchurch-street, London; or of any of the undermentioned parties, bo are the only agents of the company:—

Mesers. Evans Brothers, London; Mesers. Matthews and Lecentrd, Bristol; Mesers.

Varian and Hodgoon, Excler; Mesers. Clarke and Fill, Yarmouth, Norfolk; Mr. D. sandeman, Glasgow; Mr. G. Sandeman, Dundee; Mr. R. Newby, Bradford, Yorkshire, fr. R. S. Farr, Edinburgh; Mr. W. W. Salley, Wolverhampton; Hesers. Virt and Co; fewcarde-on-Tyne, and Sanderland; Mr. Robert Oxiand, Plymouth; Mr. Joshus Fox.

MATTHEW FORSTER, Esq., M.P., New City Cha Captain CHARLES EDWARD MANGLES, Guild GEORGE FREDERICK YOUNG, Esq., Limehous

FREDERICK YOUNG, Esq. Boundey, Middleses, Cha EDWARD SMITH, Esq., Od Broad-street, WILLIAM MACDONADD, Esq., Swarge Gardens, JOHN HOPPE, Esq., Bishopsgate-street-without, JOHN ROBERTS, Esq., Croby-equare, JOHN NORRIS, Esq., Esas Lands-road.

68

Samuel Sharp, Esq., Albury, near Guildford; Joseph Causton, Esq., Eastchesp

Solistress.
Mesers, Shearman and Sister, 23, Great Tower-street,
MANACK.
Mr. Henry Howars, Plaistow, Essex.

Mr. Henry Howard, Piaistow, Essex.

Within the last 12 years, the sales of plate glass have increased from 7000 feet to 70,000 feet per week. The price has been reduced 60 per cent. In the last 20 years, whilst the increase in consumption has amounted to 1400 per cent.

Sir Robert Peel, prior to abolishing the Glass Duties, in 1845, declared in Parliament, "If you give full and unobstructed freedom to the capifal and enterprise of this country, with its peculiar advantages of materials, the command of alkait and coal, my belief is, you will supply almost the whole world."—Times, Feb. 15, 1845.

This opinion is now confirmed by experience, which has proved that the much dreaded foreigner is, unable to compete with the British manufacturer in this market, and must, therefore, in all the great markets of the world, give way to the superiority of British enterprise. And the successful results of Sir Robert Feel's measure are clearly shown by the greatly reduced price to the public, the increased and increasing demand, and the large profit realized by the English manufacturer.

therefore, in all the great markets of the world, give way to the superiority of British enterprise. And the successful results of Sir Robert Peol's measure are clearly shown by the greatly reduced price to the public, the increased and increasing demand, and the large profit realised by the Brighish manufacturer.

The present company not interfering with existing establishments, but copying their excellencies, and carefully avoiding their defects, will, by a superior application of machinery, and the adoption of important scientific fragrovements, be enabled, not cely to construct works at about half the cost of similar undertakings, but also to carry them on at decreased permanent charge.

Whilst the increased consumption of Plate Glass in the home trade has been enormous, the last annual Parliamentary Return on Glass, No. 308, May 5, 1848, exhibits the increased Exports of 1847 over those of 1846 as being:

In Looking Glasses

110

The locality of London having been proved to be peculiarly avourable to this manufacture, the directors have agreed for the purchase of an eligible plot of freehold land, which, being bounded by the River Thames and North Woolwich Railway, commands both those desirable means of communication, in addition to a good ordinary road. Other important arrangingment are in active progress with emissent contractors, whereby the works may be completed, so as to finish glass for the market, within 12 months from the commencement. The plans, which have been laid down from long precical experience, are so arranged, that, by a judicious concentration of power in labour and machinery, the operations of the company may, on the site chosen, be hereafter carried out to as extent greater than that of any other establishment.

This undertaking, which, as an investment, presents unusually large and permanent advantages, was brought before the public in the penic of 1847, and during that eventful crists the bone feet and provides and machinery. It has been determined to close the subscription lies with

Applications to be made to the directors, at the company's offices.

Offices, 4, Railway-place, Fenchurch-street, City.

H. SHEARMAN, Secretary.

Combination of the deposit per share—see, which is a second of the deposit for the deposit for

DAUSTIA, ESC., Paragos, vortung.

AUDITORS:

AUDITORS:

AUDITORS:

AUDITORS:

AUDITORS:

ANALYS.

The Commarcial Bank of London.

COBSULTING ENGINERS.

Mons. Du Trembley de Lyuns, C.L., &c. &c.

ACTIPO ENGINERS.

Mr. John Harris, London-bridge Staiton.

Ar. John Harris, London-bridge beasion.

7. Richardson and Taibot, 47, Bedford-row.

SECRETARY—B. Taibot, Esq.

may be made to the secretary at the offices of the compapectuses, with the form of application for shares, and evsompany may be obtained, as well as cards of admission

formation respecting inschanges and the cogine.

This company has been formed for the purpose of carrying out a patented invention, known as the "Combined Vayour Engine."

The invention is applicable to all purposes for which steam-power is employed, and may be adapted to existing a steam-engines, at a comparatively triffing cost.

By the application of this invention to the ordinary steam-engine, the power is more than doubled, without any increase in the consumption of fred; and, consequently, a saving of at least one-half in the cost of working the engine, as well as in the space occurred to effected. man dubbed, "aving of at least one-half in the cost of working the eagine, as well as in the space oc cupied, is effected.

The Combined Vapour Engine is exhibited in action every Friday, from One to Three

EASTERN ARCHIPELAGO COMPANY.

ISCORPURATED BY ROYAL CHARTER.

JOHN MACGREGOR, Esq., M.P. (late secretary of the Board of Trade), Chairman.
Capt. C. R. DRINK WATER BETHUNE, R.N., C.B., Deputy-Chairman.
Licut.-Colonel the Hon. GEORGE T. KEPPEL, M.P.
H. HAMILTON LINDSAT, Esq. (size of the Hon. East India Company's China Service)
ALEXANDER NAIRNE, Esq. (director of the Peninsular and Oriental Steam Navigation Company).

tion Company). Sir JOHN PIRIE, Bart. (deputy-chairman of the Peninsular and Oriental Steam Naviga

tion Company).

Colonel RAWDON, M.P.

HENRY WISE, Eaq. (late of the Hon. East India Company's Maritime Service).

AUDITORS.

John Hampden Gledstanes, Eaq. (firm of Messrs. Gledstanes and Co.)

James Mackillop, Eaq. (firm of Messrs. Paimers, Mackillop, Dent, and Co.)

SOLICITOR—Mr. E. G. Flight.

SECRETARY—Mr. W. Woolley.

BANKERS—Messrs. Glyn, Halling, Mills, and Co., London.

ne objects of this company are, to carry on mining, agricultural, and trading ope in the Eastern Archipelago, and the seguiring and disposing of lands in the isl abusan, and the parts adjacent (Borneo), a region abounding in mineral wealth, m ie in all the valuable tropical productions, and very happily situated for the purpu-

of commerce.

Applications for detailed prospectuses, and for the remaining shares, may be addressed to Messrs. Carden and Whitchead, No. 2, Royal Exchange Buildings; Messrs. Gledstanes and Co., No. 3, White Lion Court, Cornbill; Messrs. Pritchard and Dale, Liverpool; A. Krauss, Esq., Manchester; R. H. Stephenson, Esq., Glasgow; Messrs. Ridadale and Myers, Leeds; T. F. Dickinson and Co., Newcasile-on-Tyne; William Bell, Esq., and Messrs. J. Wilson Pillans and Co., Edingburgh; B. J. William, Esq., Dublin; John Macregor, Esq., M.P., Chairman, Athonseum Clab, Pall Mall; Henry Wise, Esq., Managing Director; or at the temporary offices of the company, No. 1, Adam-street, Adelphi. es of the company, No. 1, Adam-street,

BRITISH BANK

TO BE INCORPORATED BY CHARTER.

Responsibility to be limited, and deposits on shares returned in full, if not incorporated.)

FOR RECEIVING DEPOSITS AT INTEREST, DISCOUNTING BILLS, MAKING ADVANCES ON APPROVED SECURITIES,

GRANTING CASH CREDITS, AND TRANSACTING EVERY OTHER DESCRIPTION OF BANKING BUSINESS, ON THE SCOTCH SYSTEM.

TEMPORARY OPPICES—No. 95, THERADNEEDLE-STREET, LONDON.

ARTHUR ANDERSON, Esq., M.P.
WILLIAM CASH, Esq., of Wood-street.

JOHN MOXON, Eaq., of the Regent's-park.

DIAROTORS.

JOHN MACGREGOR, Eaq., M.P., Governor.

R. HARTLEY KENNEDDY, Eaq., Depaty-Governor.

ARCHIBALD W. BLANE, Eaq. (Deputy-Governor of the Australian Agricultural Copany), King's Arms-yard and Sair-hill, Slough:
HUGH INNES CAMERON, Eaq., Palace-yard, and Dingwall, N.B.
FRANCIS EDWARDS, Eaq., Westbourne-terrace, Hyde-park.
EDWARD ESDAILE, Eaq., City Saw Mills, Regent's Casasi.
DAVID FERGUSSON, Eaq., Eastcheap, and Champion-park, Camberwell.
THOMAS HOW, Eq., Eastcheap, and Gorden House, Turnham-green.

R. HARTLEY KENNEDY, Eaq. (Deputy-Chairman of the Oriental Bank), Walbrod and Resington Lodge, Notting-hill.

J. W. LEARMONTH, Eaq., of Long-acre.
JOHN MACGREGOR, Eaq., M.P., for Glasgow.

W. SOMERVILLE ORR, Eaq., of Paternoster-row, and Church Hill, Walthamstow.
APSIGET PELLIATT, Eaq., of Blabopagate-streed-within, and Dorsel-square.

With power to add to thate

Application for shares will be recived by the secretary at the ten bank, No. 52, Threadnesdie-street, London; and of the following Messra. Huggins and Lang, No. 14 a, Austinfriars, London; Thou Manchester; Géorge Wise, Eaq., Leoda; John Smith, Eaq., Leod Bristol; James Hervey, Eaq., Hallifax; Messra. J. W. and S. Nut, Eaq., Liverpool; Messra. Black wood and Thomson, Edinburgh; A. R. Messra. Black and Burgess, Aberdeen; and J. Winks, No. 22, Marke, Nuon-Types-from ane of white Adally approximation. d of the following stockbrokers-rs, London; Thomas Gasquoine, mith, Esq., Leeda; S. Morgan, W. and S. Rutt, York; E. M. B ; Mears. Williams and Snad-

HOLNE PARK TIN AND COPPER MINE.

(WORKED ON THE GOST BOOK STSTEM.)

Capital ATSO, in 1036 thares, of 4.5 sech. "Deposit 24 per share.

OFFICES-18, ADAM-STREET, ADELPHI."

This valuable MINERAL PROPERTY is situate in the parish of HOLME, in the country of DevON, on the banks of the River Dart, and hold under an agreement for lease of 21 years, at 1-19th dues.

This mine is a new discovery, and now at work to the south of the Whiddon, Ashburthen United, and Week Beem Tin and Copper Mines, about 3 miles; and to the north-eastof DE VON, on the banks of the River Dark, and held under an agreement for lease of 21 years, at 1-19th dress.

This mine is a new discovery, and now at work to the south of the Whiddon, Ashburten United, and West Beam Tin and Copper Mines, about 3 miles; send to the north-east of Counte Tin Mine, I mile. It is about 2 miles west of the town of Ashburton, and 3 miles from Tomess, through which place the South Devon Railway passes to Franketh, by means of which the ore can be conveyed to port for exportation, at a very moderate expense. The River Dark being navigable as far up as Toiness, also affords on easy and chap mode for exportation.

The set is in a beautiful killas, or clay-alate strata; there are four lodes now worked on, and there are several large lodes of the and copper traversing the seti-aff composed of gressan, soft spar, prian, mundic, carbonale of lime, and large rocks of exportance of gressan, soft spar, prian, mundic, carbonale of lime, and large rocks of expert of rich quality (from it to 26 per cest.)

To the west of this sett the lodes form a junction with the Dartmoor grantic range, where the great deposits, both of fin and copper, &c., have been discovered, making the largest and most productive mines in Cornwell and Devon.

The Biver Dark, running at the foot of the hill, can be made available (with a small onliny) for all the purposes of the mine, thereby superseding the necessity for sissenpower, and causing a great saving in the working of the mine.

The reports are set out at length in the prospectus, which can be obtained at the offices, where also every other information will be given, together with the form of application for shares, by applying personally, or by letter, addressed to the secretary, 18, Adam-street, Adelphi, London.—Coppes of the prospectus can also be had at the office of the Mining Jownal, 36, Fleet-street.

INDURATED AND IMPERVIOUS STONE COMPANY.

Capital—£20,000, in 2000 ahares, of £10 each.

[Provisionally Registered.]

N.B.—ORDERS EXECUTED FOR PAVING, &c. pply for prospectuses, &c., to Mr. William Hutchison, Cafeerley Quarry, is; or to Messra. Hutchison, Wilford, and Co., East Tempie Chambers, 2, W. t, Fleet-street, London.

TO PUBLIC COMPANIES, MERCHANTS, MINERS, &c.

TO PUBLIC COMPANIES, MERCHANTS, MINERS, &c.

EVERY DESCRIPTION of ACCOUNT BOOKS requisite for the Courtmentous or Board-Roos, manufactured to any pattern and ruling, hot-pressed, and bound in the most durable manner (paged in type, without additional coat), on a scale of charmer reduced to meet the times.—WRITING PAPERS, ENVELOPES, and STATIONER, of the very best description, on the like reduced scale. Lists on application.

F. W. RALPH, COMMERCIAL STATIONER,

36, THROGMORTON-STREET, BANK, LONDON.

TWO GUINEAS REWARD.—Whereas TWO MAPS, one being a MAP of the BRECUTU GOLD MINE and ESTATE, BRAZIE, made by Mr. C. S. Richardson, of Whitefriars, London; and the other a MAP of the EMPIRE of BRAZIE, made as Ric de Janeiro, have been FRAUDULENTLY and SURREPITTIOUSLY OBTAINED from the OFFICES of Mr. THOS. BARTLETT, St. Lombard-street, London.—Any party giving information which may head to the convision of the partits who have the above Maps, shall receive the ABOVE REWARD, on applying to J. S. Wheatley, Esq., solicitor, 34, Walbrook, London.

Dated March 20, 1849.

SCHOOL OF MINERALOGY, CHEMISTRY, AND GENERAL SCIENCE.

MESSRS. NESDIT'S ACADEMY,

No. 33, KENNINGION-LANE, LAMBETH, NEAR LORDON.

In this SCHOOL, in addition to all the branches of a good education. EVERY FACILITY is AFFORDED for obtaining a knowledge of ANALYTICAL CHEMISTRY and NATURAL SCIENCE, as applied to the Arts, Manufacture, and Agriculture.

The pupils are practically taught in the Laboratories, which are fitted up with every essential for the most extensive chemical investigations.

Mr. Neabit's works on Land Surveying, Measuration, Gauging, Arithmetic, English Parsing, &c., may be had of all booksellers.

arding, &c., may be near or an Donascurer.
Reference. — Dr. D. B. Rodd, F.R.S.R., &c., Horne of Commons, Westminster; R. P. Sap., C. E., Birmingham; J. L. Bollock, Eq., Editor of Freemier's Chambell disconductatives, Regent-street; J. Gardner, Eq., M.D. Editor of Liebig's Letters fortimer-street, Portland-place; and W. Shaw, Esq., Strand, London.

USEFUL WORK FOR TRAVELLERS TO CALIFORNIA.

MANUAL OF PRACTICAL ASSAYING—intended for the use of Metallurgists, Captains of Mines, and Aumyers in general. With a copious Table, for the purpose of accertaining, in Assays of Gold and Silver, the precise amount, in ounces, penny weights, and grains, of noble inetal contained in one ton of ore from a given quantity. By John MITCHELL, F.C.S.

Post 8vo., 10s. 6d.—London: Higpstyte Baille-

BY HOYAL LETTERS PATENT.

THE DIATONIC FLUTE is quite NEW in its CONSTRUCTION, and retains the old system of fingering.

Amateurs in the provinces have the opportunity of hearing this instrament played if if. Richardson, as Jullieu's Concerts.—Description forwarded free, on application to the patentee.

MANUFACTORY, 135, FLEET-STREET.

Published price 52., "Theory of the Distonic Flute," by A. Sicosims, B.A., patentee.

PATENT IMPROVEMENTS IN CHRONOMETERS
WATCHES AND CLOCKS.—E. J. DENT, 82, Strand, and 33, Cockeput-drew
valch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highnes
rituce Albert, begs to acquains the public, that the manufacture of his chronometer
valches, and clocks, is secured by three separate patents, respectively granted in 160
840, 1842. Sliver lever watches, jewelled in four holes, 6 gs. each; in gold casaştir on
85 to £10 extra. Gold horizontal watches, with gold dials, from 8 gs. to 19 gs. each;
DENT'S PATENT DIPLIEDOSCOPE.

instrument, is now ready for delivery.—Pa is for its use is. each, but to enstomors gra

TREATISE ON BAROMETERS: an Explanatory Pamphile on the ANEROID, a newly-invented portable barometer, with a short historic stream of the Aneroid of the Aner

By EDWARD J. DENT, P.R.A.S. Price 1s. 6d.; or forwarded post-free, on receipt of 2s postage stamps: 33, Cookspur-street; 82, Strand; and 34, Royal Exchange (Clock Tower Area).—The price of the Are-rold is 63 ds., including pamphlet.

THE MINING ALMANAC.—In the absence of the Parliamentary Returns, the publication of this work has been necessarily delayed; it will, however, appear in the course of a FEW DAYS—containing much original and statistical mater, occupying apwards of 400 pages.

36, Fleet-street, Feb. 22, 1849.

OFFICE FOR PATENTS, 7, STAPLE INN, HOLBORN.

J. MURDOCH (successor and late assistant to Mr. Hebert)

Informs INVENTORS and PATENTEES, that, at his OFFICE, they can obtain

REFERENCE TO A CLASSIFIED LIST OF PATENTS.

(THE ONLY ONE RETARY), which shows at one view all the Patents ever granted for any particular object, whereby they may save much trouble and expense, and products the formation not otherwise obtainable. BRITISH and FOREIGN PATENTS OBTAINED, and USEFUL and ORNAMENTAL DESIGNS REGISTERED.

SPECIFICATIONS carefully piepared, and REFORTS of ENROLLED SPECIFICATIONS THIS CONTROL OF THE STATE OF THIS HELD AND WORKING DRAWINGS excented with accuracy and dispatch.

IMPROVED LIFTING IMPROVED RATCHET BALBY'S PATERS LIFTING SACK. JACKS, MANUFACTURED BY



The attention of parties who employ

Lifting Jacks,

postfully requested to the super of those annexed, over those hitherto in use.



ned by Hamay English (the pro-here all communications are re-[Afarch 24, 1849. don: Printed by Richard Middleton, and publish rictors), at their offices, No. 26, Fleet-States, wi